



APPROACH



The Motorhome Owner's Manual

One of the leading suppliers to the caravan & leisure industry



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OWNER'S DETAILS

MODEL:

VEHICLE REGISTRATION NUMBER (NUMBER PLATE):

VEHICLE IDENTIFICATION NUMBER (BOTTOM OF WINDSCREEN):

VEHICLE PRODUCTION NUMBER (INSIDE GLOVE BOX):

OWNER'S NAME:

ADDRESS:

.....

.....

TEL NO:

HABITATION KEY NUMBER:

RETAILER'S NAME:

RETAILER'S ADDRESS:

.....

.....

TEL NO:

MTPLM: REAR AXLE LIMIT:

FRONT AXLE LIMIT: GTW (GROSS TRAIN WEIGHT):



Please note fitting of Electrical equipment or accessories which are not recommended by PEUGEOT or BAILEY OF BRISTOL may result in a failure of your vehicle's electronic system. Please note this specific warning. It is advisable to contact a BAILEY OF BRISTOL retailer to be shown their recommended equipment and accessories. A BAILEY OF BRISTOL retailer will be able to fit accessories for you.

Your vehicle is fitted with only some of the equipment described in this document, depending on the range level, version and specification.

For any work on the habitation compartment of your vehicle, use a BAILEY OF BRISTOL or NCC approved workshop.

The Approach Autograph range of motorhomes have been designed to satisfy the Touring motorhome customer in terms of practicality, comfort, safety and aesthetics. In order to get the most out of your vehicle we suggest that you take this handbook with you on your first trips. The handbook presents the operation of the equipment available on board in detail. Please be aware that this handbook is for the habitation compartment of your motorhome. There is a supporting document supplied by Peugeot for the vehicle instructions and information. You will find this document inside your vehicle documentation pack.

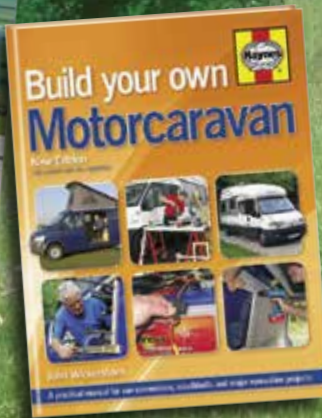
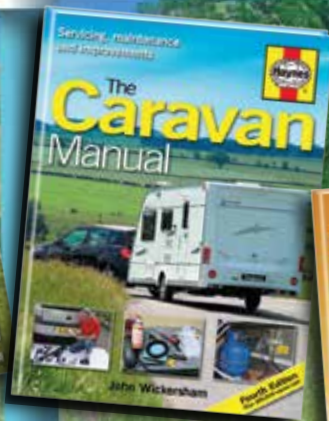
Bailey of Bristol thank you for your confidence and wish you very happy touring!

GREAT

GUIDES

TO THE

GREAT OUTDOORS



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Bailey Owners
Caravan Club

The Club, now over 40 years old, founded on friendship, fun and freedom, is run by and for the members and is dedicated to the hobby of rallying with Bailey caravans and motorhomes.

Rallies may be small or large, run for a specific purpose with a diverse range of activities. Biennially Bailey open the factory exclusively for Bailey Owner's Club members. We fundraise for a range of charities throughout the year.

It couldn't be easier to join - simply go to **www.baileyownersclub.org** for full details on how to become a member.



Welcome,

Congratulations on the purchase of your Bailey Motorhome. We would like to welcome you into the ranks of Bailey Owners. We are confident that this vehicle will give you many years of enjoyment.

This handbook has been designed to enable you to derive the maximum benefits and pleasure from your motorhome, its information and hints will be beneficial and help to protect your investment whether you are a new or experienced motorhome user.

Information leaflets and literature on safe operation of appliances and equipment fitted to your motorhome are included in the Bailey Information pack. Please read these carefully prior to use.

Failure to observe recommendations or precautions could result in incorrect operation of equipment which could in turn lead to subsequent risk to occupants.

The information contained within this handbook will answer most of your questions. However, if there are any areas that we have failed to cover please do not hesitate to consult your supplying retailer. Supplementary user guides for certain components featured in this manual can be found in the brochure and handbook section of the company website at

www.bailey-motorhomes.co.uk.

Equally, make sure that the weight of a heavy accessory will not place the MTPLM of the vehicle at risk when you are loaded up for a trip.

Always consult your supplying retailer before additional equipment is fitted to ensure the location of appropriate structural support.

Retailers are not agents of Bailey and have absolutely no authority to bind Bailey by any express or implied undertaking or representation.

Happy Touring!

Familiarisation:

This Handbook is designed to familiarise you with your new vehicle from the moment that you step inside the habitation door and to describe the operating features.

Reading the handbook is made easy by the content being divided into sections.

At the back of the tilt and turn document you will find your service manual.

This handbook contains all the information that you will require for safe enjoyment of your motorhome. All the information contained here in is important.

Within chapters there are symbols that draw your attention to specific information:



WARNINGS are items that if ignored can cause the user(s) physical harm



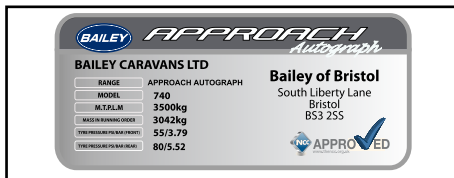
Cautions are items that if ignored can result in damage to the motorhome



Notes are reminders that should be heeded.



To enable your queries to be dealt with more efficiently always quote your Approach Autograph's production number which can be found in the glove compartment on the Bailey weight plate as shown below.



It is the policy of both Bailey and Peugeot to constantly improve their vehicles, so whilst all illustrations and descriptive matter in this handbook are intended to give a general idea of the motorhome and are correct at the time of going to press, changing market and supply situations may prevent us from maintaining the exact specification details of this handbook. Both companies therefore reserve the right to alter specification at any time without prior notice.

Bailey Motorhomes offer a variety of customer uses and whilst each vehicle is designed to feature the optimum storage, seating, sleeping and fluid capacities, it is the driver's responsibility to select the correct loads without exceeding the weight capacities of your chosen vehicle. These weights can be found on the weight plate located inside your glove compartment along with the Production number.



IMPORTANT SAFETY NOTES:

To ensure all the occupants of your motorhome enjoy a safe and relaxed environment please observe the following.

- Ensure all the occupants are aware of their escape routes in an emergency.
- Always keep escape routes and exit points clear from obstruction and debris.
- Provide one dry powder fire extinguisher of an approved type or complying with ISO 7465 of at least 1kg capacity by the main door, and a fire blanket next to the cooker. Familiarise yourself on your fire extinguisher and the local fire precaution arrangements
- Your motorhome is a compact living environment, and appliances should be treated in the same way as those in the home to prevent any accidental burning or scalding- keep young children away from hot surfaces.
- Ensure the motorhome is serviced and maintained in accordance with this handbook as well as the base vehicle handbook. The recommendation of manufacturer's regarding their appliances must also be followed. Also, ensure that any replacement parts for an appliance conform to the appliance manufacturer's specifications and should be fitted by them or an authorised agent.

Driving Licences

Never allow anyone without a valid driving licence to drive your motorhome.

CONFORMITY



All Bailey Motorhomes have been certified by the National Caravan Council for compliance with UK and European Standards and Legislation along with industry Codes of Practice relating to health and safety issues. The approval process covers the testing and inspection of critical areas of the product from fire safety, weights and dimensions, to gas, electrics and ventilation. Every Bailey Motorhome carries the "NCC Approved Motorhome" badge. The NCC conducts unannounced inspections at their members' factories to ensure continued compliance. NCC Approval gives you peace of mind that your Motorhome is legal and safe.



Your Bailey Motorhome is European Whole Vehicle Type Approved.

This assures you that your Motorhome meets all European regulations and has been constructed to conform to these rigorous standards for both manufacturing and product safety. This allows you to register your vehicle in another European country. Your certificate of conformity is in the document pack provided with your vehicle.

Inside your motorhome there are three certificates for type approval, the Peugeot Certificate, the AL-KO certificate and the Bailey Certificate of Conformity. Your retailer will have needed all three of these certificates to register your motorhome with the DVLA. If for any reason you need another certificate your Bailey Motorhome Retailer is responsible for accessing one through the NCC system. Please refer back to your retailer for additional copies.

INTRODUCTION

Security

Theft:

The theft of a motorhome can occur in the most unlikely circumstance; from a motorway area, even from an owner's driveway.

Secure all windows and doors when your motorhome is unoccupied even if only for a short while.

Additional Security

There is a vehicle identification number in the bottom right hand corner of the front windscreen of your motorhome. Keep a copy of this number in the front of this handbook. Do not leave the handbook in the motorhome for extended periods of storage.

Consider fitting any device that may deter or prevent intrusion by thieves. A wheel lock prevents removal of the wheel.

Advice about securing your motorhome; protect your valuables, property marking, either at home or whilst on site, can be obtained from your local Crime Prevention Officer through your local Police Station.



Important Terminology

MODEL: This handbook refers to all of the Peugeot based Approach models built on an AL-KO chassis.

Gas System: This system is for use on vehicles with a 30mb gas system. The gas system pressure is noted on a label inside the gas locker.

Conversion Type: Your vehicle is classed as a coachbuilt motorhome made with insulated laminated panels with a GRP outer skin. (Type Approval class M1 SP)

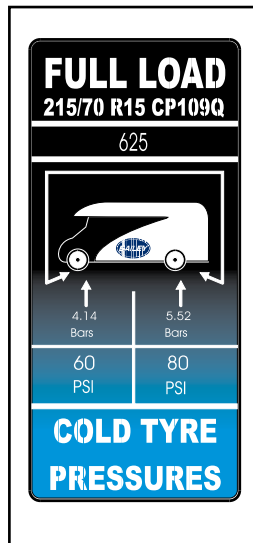
Climatic Conditions: The Approach SE range of motorhomes is designed for use in extreme temperature climates and has been tested to Grade 3 in accordance with EN1646-1:2004.

Handbook: Any queries should be addressed to your Bailey Retailer.

Appliance Instructions: The appliance instructions have been extracted from those supplied by the appliance manufacturer.

Automotive- Peugeot: For all your Bailey motorhomes' automotive requirements please refer to the Peugeot vehicle instruction handbook or your local Peugeot Dealer.

Tyre Pressures:



Your Bailey Motorhome is fitted with Michelin Agilis Camping tyres. These tyres are designed to run at 80 Psi on the rear axle for all loads when used in a single fitment. The front tyre pressure can be set depending on the maximum in service vehicle loads. The correct cold tyre pressure for your vehicle is labelled on the inside of the passenger door frame. The tyres are 215/70 R15 CP 109Q.



Chassis Number: Record both the chassis number and the production number of your motorhome and store it safely at home. The chassis number is a 17 digit number this can be found:

- On a small "window" in the bottom left hand corner of the front windscreen.
- On the plate under the bonnet.
- On the European Whole Vehicle Type Approval plate which can be found in the gas locker.

You will find

- The plate under the bonnet relates to the base vehicle data and maybe replaced with an AL-KO plate if the weight has been upgraded.
- The motorhome conversion plate can be found inside the glove box. The production number is found on the plate and is another alphanumeric code of 17 digits. Above the production number you will find the MTPLM and MRO information.
- There is also a helpful weights and dimensions label that is under the drivers' sun visor.

Production Number: This is an alphanumeric code and is found in the glove box.



BAILEY WARRANTY

If you have a problem, or enquiry relating to your motorhome please follow these steps:

- Check the handbooks.
- Contact your supplying retailer for assistance.
- The following suppliers provide a direct aftersales service please contact them directly:

AL-KO

Al-KO Kober Limited
South Warwickshire Business Park
Kineton Road
Southam
Warwickshire
CV47 0AL
Fax: 01926 818562
E Mail: mail@al-ko.co.uk

DOMETIC

Dometic UK Ltd
Dometic House
The Brewery
Blandford St Mary
Dorset
DT11 9LS
Telephone: 0844 626 0130
email: technical@dometic.co.uk

It is with the retailer that the purchaser's Contract of Sale exists and consequently Bailey of Bristol cannot enter into any discussions with the purchaser.

All Bailey products are classified as "portable". All work under warranty required that the motorhome be delivered to and collected from the Bailey retailer.

Whilst every effort is made within this handbook to accurately reflect and describe our home market motorhomes (those purchased and stored on the mainland) our policy of continued improvements and change in market and supply conditions mean that we reserve the right to alter specification without further notice. Some materials used in the production of our caravans can result in variations to the figures quoted in respect of measurements and weights.

Motorhome Warranty Cover

Total satisfaction is the top priority at Bailey and the quality ethos extends to the after-sales service and manufacturer's warranty that comes with every new Bailey motorhome. In this way we not only ensure long-term peace of mind but also enhance the resale value of your investment.

Your Bailey motorhome has three warranties:- 3 Year Base Vehicle Warranty - Provided by Peugeot

The Bailey motorhome is a coach-built model which utilises a Peugeot base vehicle. Peugeot provides a manufacturer's warranty

WARRANTY

for the base vehicle supplied which is subject to the terms and conditions laid down in their handbook. All enquiries relating to this warranty should be directed to your local Peugeot Service Agent.

6 Year Body Shell Integrity Guarantee - Provided by Bailey

The Bailey Alu-Tech motorhome is covered by a six (6) year Bodyshell Integrity Guarantee. This cover extends to any structural degradation to the bodyshell that arises as a result of water ingress through any permanently sealed seams or joints (with the exception of exclusions stated in the terms and conditions.)

Warranty Extension

An additional four (4) year extension to the standard Bodyshell Integrity Warranty cover (making 10 years cover in total) is available as a cost option. Please ask your supplying Bailey Retailer for more information.

3 Year Manufacturer's Warranty - Provided by Bailey

For a period of three (3) years from the initial date of purchase, Bailey offers a comprehensive warranty on all parts and components used in the construction of the Bailey motorhome chassis and habitation area, as well as full coverage for any manufacturing faults forming part of the original specification of the Bailey motorhome with the following specified exceptions:

The following items are covered for one (1) year from the date of first registration

WARRANTY

- Leisure Batteries
- Microwave Ovens
- Pioneer Stereo Radio/CD/MP3 Players & Speakers

The following items are not covered

- Replacement bulbs, light emitting diodes, fluorescent tubes or fuses.
- Window blinds and door blinds
- General Maintenance.

Warranty Extension

An additional three (3) year extension to the standard Manufacturer's Warranty cover for mechanical and electrical components of a leisure vehicle both external and internal (making 6 years cover in total) is available as a cost option. Please ask your supplying Bailey Retailer for more information.

Customer Support

In the unusual event of something going wrong your first contact should always be your supplying retailer. Approved Bailey Retailers enjoy industry leading after-sales support service from the manufacturer and they should be able to offer all the help you need to rectify any problems that may exist. It should be noted that Bailey Retailers sell our products of their own choice and not as agents of Bailey. Accordingly they have no authority to bind Bailey or make representation or undertaking whatsoever on behalf of Bailey.

Terms and Conditions

Defects in the base vehicle are covered by the base vehicle manufacturer's warranty and any issues with it should be referred to one of the base vehicle manufacturer's agents.

The Bailey Warranty Cover set out above is offered subject to the following simple terms and conditions

Cover

- During the term of the Warranty Cover, subject to these terms and conditions, Bailey will, through an Authorised Service Centre, at its option repair or replace all parts and components of the Bailey motorhome that are included in the Warranty Cover and which suffer a defect in manufacturer or workmanship. An authorised Service Centre means either Bailey itself, a Bailey Approved Retailer or a Bailey Approved Service Centre. Any part which is replaced becomes the property of Bailey. Any replacement parts are covered for the unexpired term of the Warranty Cover

Term

- The initial duration of the Bodysell Integrity Guarantee is six (6) years extendable to ten (10) years and the duration of the Manufacturer's Warranty is three (3) years extendable to six (6) years, in both cases starting from the original purchase date of the Bailey motorhome. It is a condition of the warranty that an annual service is performed on the Bailey motorhome in accordance with the service plan. Failure to comply with this term will invalidate the warranty

- The unexpired term of the Warranty Cover on your Bailey motorhome may only be assigned, transferred or novated to subsequent owners with Bailey Consent (not to be unreasonably withheld) and on payment to Bailey of a transfer fee of £35. Transfer can only be made within the first (3) months of subsequent ownership and full documentary evidence that the Bailey motorhome conversion has been serviced annually must be provided at the time of assignment in accordance with the terms and conditions detailed above.

Repairs

- The Bailey motorhome must undergo a full annual service and inspection, including a moisture survey, carried out, subject to the conditions specified below, by an Authorised Service Centre. The final annual service in the warranty period must be carried out before the end of that warranty period, but all other annual services may be carried out with six (6) weeks either side of each anniversary of the original purchase date. The original VAT invoices must be retained as proof that these annual inspections have been carried out.
- During the first three (3) years of the Warranty Cover, all annual inspections and repairs must be carried out either by Bailey itself or an approved Bailey Service Centre or Agent. Thereafter, due to the technical nature of an Alu-Tech constructed Bailey motorhome, annual inspections and repairs may be carried out by any workshop or repair centre approved by the National Caravan

Council that has attended Alu-Tech training courses at the Bailey factory

- Where an annual inspection identifies that repairs to the Bailey motorhome are necessary, the Bailey motorhome must be made available for repair within six (6) weeks of the date of inspection for the purpose of carrying out the repair work.
- No repairs, including the fitting of any replacement unit, maybe undertaken or commenced under the terms of the Warranty Cover unless prior written authorisation is obtained from Bailey via an authorised Bailey Retailer or Service Centre. No liability will exist with regard to any warranty claims not authorised in this way.
- Bailey reserve the right to examine the Bailey motorhome before any repairs commence or any replacement part is fitted.

Registration & Use

- The Warranty Registration Form must have been sent to Bailey within six (6) weeks of the original purchase date. It is the responsibility of the Bailey Retailer to forward this information to Bailey. This is part of the terms of trading that the Bailey Retailer has with Bailey.

The Bailey motorhome shall:

- Only be used for its original and intended purpose and shall not be subjected to any treatment or conditions which could reasonably be foreseen to cause or result in damage to the Bailey motorhome or

excessive wear and tear.

- Not be put out to hire, reward or any other commercial use, nor used in any race, competitions or rallies whether timed, official or otherwise.

Exclusions & Liability

- Bailey's liability under this warranty shall be limited to supplying the reasonable cost of labour and materials required for repair or replacement of faulty parts or components. Bailey shall be entitled to charge for any repair work which is necessitated by any virtue of any loss or damage caused by it's owner's negligence or default or incurred as a result of any modifications made to the Bailey motorhome This warranty does not cover repair costs other than labour and materials.

The Warranty Cover does not include

- Repair or replacement of parts, components, seams or panels which are not part of the original construction of the Bailey motorhome, or which have been tampered with or undone unauthorised modifications, or which have been repaired otherwise than by an Authorised Service Centre.
- Parts or components other than those specifically listed in the Bodyshell Integrity Guarantee and Manufacturer's Warranty descriptions set out above;
- General maintenance or components failing due to fair wear and tear or normal deterioration.
- Repairs necessitated by lack of routine or regular maintenance. Particular attention

WARRANTY

is drawn to the owner's handbook and Service handbook supplied with the Bailey motorhome and any maintenance instructions or notices published from time to time by Bailey relating to the proper care and maintenance of the Bailey motorhome; or

- Structural degradation or other damage caused by water ingress through non permanently sealed seams or joints (such as, without limitation, around windows, hatches, doors and rooflights), beyond the initial 24 months of the Manufacturer's Warranty.
- Maintenance activities including the adjustment of doors, catches and window blinds, servicing of appliances or cleaning.
- Maintenance activities related to the reduction noise vibration and harshness

No Liability will be accepted for:

- Damage caused by neglect or abuse, corrosion, intrusion of foreign or deleterious substances, lack of servicing, over-heating, freezing, or the continued use of the Bailey motorhome after a fault has become evident
- Any loss or damage caused by parts not covered by this Warranty Cover, including soft furnishings or trim;
- Any accidental or fire damage or any losses incurred by accident or fire; or
- Transport costs to and from point of repair.
- Damage caused by animals, rodents or other pests.

Bailey will only be liable for costs which are incurred as a direct consequence of the event, defect or fault leading to the claim being made under warranty. No liability will

WARRANTY

be accepted for any loss or damage (such as loss of income or revenue, or loss of business or profits) costs, expenses, or other claims for compensation howsoever arising which was not reasonably foreseeable by both parties when the Bailey motorhome was originally purchased. Bailey will not be liable for any loss or damage suffered by third parties, nor for bodily injury caused by the company's negligence.

Nothing in this warranty shall limit in anyway Bailey's liability for death or personal injury caused by their negligence or fraud or fraudulent misrepresentation or for any matter for which it would be illegal for us to exclude, or attempt to exclude.

The purchaser has statutory rights in addition to this warranty and this warranty does not affect those statutory rights.

This warranty shall be governed by and construed in accordance with the laws of England and the parties irrevocably submit to the non-exclusive jurisdiction of the courts of England.

Warranty Registration

The supplying retailer must explain the warranty terms and conditions to you, and complete the warranty registration process on-line. Your warranty will start on the day that the vehicle is first registered in the UK or 12 months from the date of which the vehicle was invoiced to the supplying retailer whichever is the earlier.

The name and address of the warranty and guarantee provider is:
Bailey Caravans Limited, South Liberty Lane,
Bristol, BS3 2SS

Bailey Approach Autograph fitted with MICHELIN tyres.



Visit **www.michelin.co.uk** for more information about MICHELIN tyres.



DRIVING LICENCE



Before you drive or allow any other person to drive your motorhome you must check your/ their driving licence against the criteria of your particular vehicle.

Category B

With this category on your driving license you can drive vehicles with a MTPLM of up to 3500 kilograms, with eight passenger seats, and with a trailer no heavier than 750 kilograms. It's also possible to tow a braked trailer heavier than 750 kilograms if the MTPLM of the vehicle and trailer together is no more than 3500 kilograms. The trailer must also be lighter than the vehicle towing it. To tow a heavier trailer than mentioned above you'll need category B+E.

Category C1

With this category you can drive vehicles with a MTPLM over 3500 kilograms but less than 7500 kilograms with a trailer no heavier than 750 kilograms. To tow a heavier trailer you'll need category C1+E.

Category C

With this category you can drive vehicles with a MTPLM over 3500 kilograms with a trailer no heavier than 750 kilograms. To tow a trailer that weighs more than 750 kilograms you'll need category C+E.

Vehicle classifications

Motorhomes up to 3500Kg MTPLM are p/LGV (Private Light Goods Vehicles) motorhomes

with an MTPLM over 3500Kg and up to 7500Kg are P/HGV (Private Heavy Goods Vehicles) These are normally used in defining MOT classifications and vehicle excise duty (road tax) classifications. Please refer to the website: www.direct.gov.uk/en/Driverlicensing/CaravansTrailersCommercialVehicles for the latest rules and regulations.



ADVICE ON TOWING

The towing specification alters depending on the vehicle's weight.

Towing requires sensible loading of both the motorhome and the towed object. When towing, the demands on both the driver and the vehicle are increased. When towing, manoeuvrability is reduced together with the ability to climb gradients and accelerate. Braking and vehicle handling are also affected.

It is essential that the driver is alert at all times.

- Pull over if you feel tired and get some rest.
- Brake in good time and take special care when driving down steep gradients.
- Use your gears and change down before going down a steep hill so that the engine also acts as a brake.
- Ensure that the tyre pressures are correct on both your motorhome and the towed object.
- Regularly check the towed object's brakes and lights.

When loading the trailer ensure that the loads are properly secured for transit.

- Position loads so that most of the weight is placed close to the floor and, where possible, immediately above or close to the axle(s).
- Where the load can be divided between the towed object and the motorhome it is advisable to load more into the motorhome as this will greatly increase the stability of the combination.
- After loading always check the maximum weight does not exceed the manufacturer's

recommendations.

- Check the front and rear axle weights of the motorhome are not exceeded due to loading the trailer. The easiest way to do this is to take the vehicle to a weighbridge.



Towing regulations vary depending upon the country you are visiting. It is important that you make yourself aware of each country's regulations before you visit.

- Do not exceed the motorhome gross vehicle train weight.
- Do not exceed the maximum front & rear axle loads on the motorhome.
- Motorhomes with an MTPLM up to 3500Kg which have European Type Approval can only be fitted with a Type Approved tow bar complying with 94/20/EC.
- The limit for towing an un-braked trailer is 750kg (based on VIN plate not actual weight), this applies to a towed car.
- The maximum permitted vehicle combination length is 18.75m. However, any combination must ensure compliance with the turning circle requirements of Construction and Use regulations 1986 & 97/27/EC.

Motorhome Code

The country and coastal codes

Upon arrival at your destination you should be aware of the Country Code relating to motorhome owners. This is entitled the Motorhomers' code.

Code of Conduct - Camp sites

Check the site regulations

Arrivals

- Report to reception immediately on arrival

Vehicle Movement

- Keep to roadways unless otherwise directed
- Adhere to speed limits. Note that these are generally 10 mph whilst on site. (Remember that the stopping distance on grass is considerably greater than on tarmac.)
- Only a person in possession of a current driving licence may drive on site.
- Park as advised on your pitch. Where possible leave 6 meters (20ft) of free space around your vehicle.

Selecting a site

- Carefully select where you wish to park your motorhome.
- The site should be as level as possible, well-drained and away from boggy areas and, preferably not under or near to trees.
- Consider how you will move your motorhome when you are leaving site; for example on sloping ground in wet conditions, pitch facing downhill.
- It is important to site your motorhome level so as to ensure the correct operation of the refrigeration, cooker etc, by using purpose

GENERAL ADVICE

made ramps and NOT bricks or such items.

Use of Site:



- Use the electrical mains hook-up in the correct manner and with caution.
- Ensure that all fresh water taps/connections are turned off after use.
- Have care and consideration when using all facilities (toilets and showers etc) and leave them clean and tidy. Young children should be escorted.

To avoid possible damage to sewage purification works, only approved chemical fluids must be used. Under no circumstances may coal tar, phenol or caustic based fluids be used.

Disposable napkins and similar bulky items must not be put into the chemical closet emptying points but should be wrapped in a polythene bag and placed in the container provided. (Put all litter in containers marked for the purpose.)

Noise

- Do not make excessive noise.
- Children should be restrained from making excessive noise.
- Flying kites and model aircraft and the use of items like catapults or air guns as well as ball games should not be permitted among, or close to motorhomes.
- Musical instruments, music players, radios and televisions should not be used to the inconvenience of other people on site
- Open and close doors quietly
- Power generators must be adequately silenced and used with consideration and

according to restricted site times

Dogs and Pets

- All dogs and other pets should be kept under control
- Unless permission has been granted, no animal should be let loose on the site and leads should not exceed 3 meters (10 ft)
- No animal should be allowed in the shower/ toilet block.
- Do not let animals foul the site.



Fire Precautions

Adhere to and make note of all fire precautions including the whereabouts of the fire points.

It is recommended that a 1 Kg (2lb) dry powder fire extinguisher is carried. It should comply with BS 5423 and be marked BSI or FOC approved. It is important to check at regular intervals that the extinguisher is working as is required by types meeting BS 5423. Make sure that the use by date is frequently checked. Careful thought is necessary for the positioning of a fire extinguisher, which should be near to the door but not too close to the cooking equipment where sudden flames could make it unreachable. In the kitchen area, a fire blanket is a worthwhile precaution. Unless permission has been granted barbeques should not be used. When permission has been given, consideration should be given to the annoyance that can be caused to other users of the site. Open Fires are not allowed.

Awnings and tents

Awnings and tents should only be used when permission has been granted.

When on grass and staying for more than a few days, the ground sheet and/or side flaps of awnings should be periodically raised in order to avoid damage to the ground.

Departure:

- Leave the pitch clean and tidy
- On leaving check out with reception paying the required dues.

Wild Camping

Camping away from licensed sites, without the permission of the land owner or his/her agent, is not allowed in the United Kingdom. When permission has been granted, all aspects of this code should be adhered to.

On no account should:

- Litter be disposed other than in the receptacles provided.
- Water be allowed to escape from the vehicle
- Chemical toilets be emptied except into the disposal places agreed with the landowner
- Washing or similar to be hung outside of the vehicle.

Parking

Motorhomes should only be parked in approved places

When using the facilities of a motorhome, care and consideration should be given to those around them.

Driving

When using a motorhome on either the public highway or a private road, the Highway Code should be complied with and full consideration given to other road users.

In the event of a motorhome travelling slowly and there being a queue of traffic behind, the driver of the motorhome should, where possible, pull over in order to let the other traffic pass.



When the vehicle is in motion it is compulsory that all passengers are seated and seat restraints worn.

Before moving off, close rooflights, and top hinged windows. Likewise all doors and access lockers for gas containers and chemical toilets must be properly closed.

When the vehicle is being refuelled, or is on a ferry, all gas systems must be turned off at the gas supply cylinder.

Gas appliances should only be used when the vehicle is in motion if the appliance has an en-route facility built in.

Handbook

Before using a motorhome, all aspects of the handbooks produced by the base vehicle manufacturer and the habitation manufacturer should be read and adhered to.

Environment

Care and consideration should be taken to protect the environment.

Observe the Country and Coastal Codes shown overleaf.

The Country Code

Enjoy the countryside but respect its life and work.

More people than ever before are exploring the countryside, interested in farming, plant life, bird watching or just observing the general wildlife. Whatever your interest, there is a lot to learn, but please observe the following code. Guard against all risk of fires. Hay and heath land catch alight easily and once ablaze are very hard to put out. Remember Fire spreads quickly.

- Keep to the public paths across farmland.
- Use gates and stiles to cross fences, hedges and walls.
- Leave livestock, crops and machinery alone. View from a distance.
- Take your litter home; - it is unsightly and harmful to wildlife.
- Help to keep all water clean.
- Take special care of country roads
- Make no unnecessary noise. Most Animals are timid; noises can disturb them unnecessarily. If you want to get the best out of the countryside, travel around as quiet as possible.

The Coastal Code

As our coastlines are increasingly used for recreation and education, the following suggestions are made to enable us to enjoy our inheritance and preserve it for posterity.

- Do not trample about, or move rocks unnecessarily.

- Do not frighten seals or sea birds.
- Do not spear fish
- Do not spill detergents, solvents or fuel from boats as these can kill marine life.
- When using a boat, moderate your speed-the wash from a fast boat can destroy both banks and nests.
- Live molluscs and crustaceans need not be collected as souvenirs - dead shells can usually be found.
- Shellfish can take years to grow and fines can be imposed for not observing national regulations.
- Do not pull up seaweed unnecessarily.
- Make your visit instructive not destructive.
- Look at material, don't remove it. Take notes and photographs, not specimens.
- Observe bye-laws and be considerate to others.
- National Trust property or Country Parks have regulations to protect the wildlife. Follow these.

Preparing for the road Your Motorhome (Weights Explained)

Mass in Running Order (MRO)

This refers to the weight of your motorhome as it leaves the factory complete with its standard fixtures and fittings as well as:

- 100% of automotive fuel
- Driver (at 75 Kg, 11st 2lb)
- The LPG cylinders 100% full
- The fresh water tank 100% full
- The water heater 100% full
- The Waste water tank empty
- The toilet flushing tank, full.

GENERAL ADVICE

- The toilet system holding tank, empty.

Any additional passengers/ equipment are excluded from the MRO and need to be taken into account when calculating your available payload.

Maximum Technically Permissible Laden Mass (MTPLM), (sometimes referred to as GVW)

The maximum allowed weight of the vehicle when it is fully laden for use on the road. See your Service manual for exact specification.

User Payload



The load Margin (payload), is the difference between the Mass in Running Order (MRO) and the Maximum Technically Permissible Laden Mass (MTPLM). This shows the maximum weight that can be loaded into your motorhome; it covers items such as optional extras, clothing, food, crockery, cutlery, bedding etc. Please see your Service Manual for exact payload figures

Please take care to ensure that you have allowed for the masses of all items you intend to carry in the motorhome e.g. passengers, optional equipment, essential habitation equipment as well as your personnel effects such as clothing, food, pets, bicycles etc.

Your passenger's weight should also be taken into consideration when loading your vehicle. Please refer to your MRO and MTPLM.

You may wish to allocate the user payload to

suit your own use. For example, to increase the available payload, the water system may be emptied. If the vehicle is not being used for camping, the gas cylinders can be left at home to increase the mass available for other items.

Gross Train Mass (GTM) (Sometimes referred to as GVW)

If you are towing a trailer with your Bailey Motorhome the gross train mass is the MTPLM of the towing vehicle, the trailer and the mass of every item carried., the GTM is specified by the base vehicle manufacturer (AL-KO) and is unaffected by the Bailey Conversion. Please check your driving licence to ensure you are allowed to drive a vehicle combination at this weight.

Maximum Braked Trailer Mass (MBTM)

This is the maximum allowable weight of the trailer together with its load, provided the trailer has a braking system, which complies with the local Construction and Use Regulations. The MBTM is given by the base vehicle manufacturer (AL-KO) and is unaffected by the Bailey conversion.

Nose Weight:

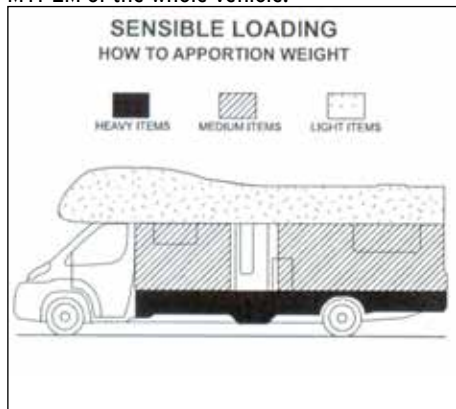
The static mass of the trailer towing device on the rear of the towing vehicle.

- When measuring nose weight it is important that the trailer is loaded.
- The trailer is intended to be towed slightly nose heavy. The nose weight can be adjusted by redistribution of the load. The nose weight should be approximately 7% of the actual laden weight (but not greater than the hitch capacity) and at the same time suit

the motorhome requirements.

Axle Loads

The individual axles also have upper limits. The sum of the two axle upper limit usually exceeds the overall vehicle MTPLM, but this does not mean you can load each axle to its maximum, because doing so would exceed the overall MTPLM of the whole vehicle.



Loading and Distribution of Weight in the Motorhome.

Loading

Loads must not be exceeded. The driver is responsible for arranging the loads so that they comply with the technical weight limits of the specific motorhome model. See specification in the service manual.

Correct weight distribution is a major factor in making your motorhome a balanced and pleasant vehicle to drive without compromising

road-holding. Care should therefore be taken to ensure that heavy items are well spaced and are in as low a position as possible, for example, low cupboards and bed boxes.



Do not travel with microwaves or televisions in overhead lockers unless the appliance was supplied fitted by the vehicle manufacturer.

Do not exceed the maximum stated load. Items fitted other than standard equipment will deplete the payload stated in the service manual.



Under no circumstances should the maximum technically permissible laden mass be exceeded.



Roof Loading:

Do not allow children to climb on the roof of your motorhome.

Roof rack bars and ladders are optional and if you are considering them, care should be taken to ensure that all items can be safely secured. Apart from general cleaning and polishing you should also enquire what other maintenance is required.



Take special care when on the roof particularly in wet or frosty weather conditions, as the surface could be slippery. Always wear practical footwear when climbing onto your vehicle.

Maximum load within the area encompassed by the roof rack should not exceed 75 Kgs

(165 lbs) with a maximum loading of 24 Kg per meter² (8 Kg (17 lbs) per square foot.)



Before Moving Off

Whenever you are making a journey with your motorhome, either setting off or returning from holiday, it is good practice to run through this simple list.

- Close and secure all cupboards and drawers and check any loose articles.
- Do not store tins, jars, cylinders, etc in overhead lockers.
- Close and secure all windows and rooflights.
- Leave all curtains and blinds open to aid visibility- the curtains surrounding passengers travelling in the rear of the vehicle can be secure via a press stud to ensure that the passenger's view is not obstructed.
- Check that gas cylinders are securely fastened and turn off all gas appliances, except those heating appliances that are designed to function whilst the vehicle is in motion. Also ensure that the gas locker door is securely fastened.
- Ensure that there is sufficient gas to meet your needs.
- Switch off 230 volt supply at the sites hook up supply pillar; disconnect the mains cable from the vehicle. (Beware of a potential electric shock from a wet cable.) Coil cable and store in a safe place.
- Check both the control panel and the PDU box for operation. (The PDU box is similar to a fuse box found in a domestic house and can be found under the front bunk.)
- Check and if necessary, charge your leisure battery.

- Check that the battery selection switch is in the OFF position.
- Check that the battery is secure and that the battery box door is securely fastened.
- Ensure that the fridge is set to 12V operation and the door lock is set. (Please note that the electrical relays will allow the fridge to run on the vehicle battery when the engine is running.)
- Remove any external fresh water connections, coil and store in a secure place.
- Make sure any heavy articles are stored in accordance with the loading procedure.
- Ensure tables are in their specified storage compartments.
- Lock the motorhome's exterior door (remember to remove the keys).
- Check your external rear view mirrors and adjust if necessary.
- Check that the wheel nuts are secure and that the tyre pressures are correct.
- Ensure, if required that your fresh water tank is full and your waste water tank is empty.
- Ensure that the toilet flush tank only contains a small amount of water (1-2 litres) in order to minimise the risk of leaks or spillage whilst the vehicle is in motion.
- Check underneath the vehicle for any stray items.
- Safely store your levelling blocks away in an appropriate place.

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When travelling it is extremely important for you and your traveller's safety to store any table be it freestanding or fixed to the wall into its dedicated storage compartment.

DRIVING

Speed limits (UK)

If a speed limit is not in force, your motorhome can be driven up to 70 mph on motorways and 60 mph on dual carriageways.

Reduce Speed

- In high or cross winds
- Downhill
- In poor visibility.

High sided vehicles cause air buffeting so extra care must be taken when passing or being passed. Leave as much space as possible when passing or being passed.

Driving

- Do not bump the kerb.
- When passing other vehicles allow more room than the normal clearance you would allow when driving a car.
- Allow longer to get up to speed and pass
- Do not swing out suddenly
- Carry out all manoeuvres as smoothly as possible
- Use nearside wing mirror to check that the motorhome has fully cleared a vehicle when overtaking.



Whilst the vehicle is being driven please ensure that:

- Both the driver and passengers wear seat belts. This is a legal requirement.

- Heavy loads are not stored in top cupboards or in areas from which they may come detached. Please ensure that heavy items are stored low down and take care not to overload individual wheels, the axles or the MTPLM.
- Tables must be secured in their storage compartments
- Cupboards and flaps are in the closed position and secured
- The refrigerator door is closed and secured.
- Roof ventilators are closed and locked in the down position.
- The bathroom is not used whilst the vehicle is motion
- Top hinged windows are closed and securely fastened.
- All passengers are secure and wear the appropriate restraint for their height and age.

Front Seat Swivel:

The cab seats swivel for convenience when you are on site. However, when the vehicle is being driven they **MUST** be locked in their forward position.



Wheels:

In the event of a puncture, ensure that the replacement wheel is of the same construction and size as the one that is being removed. The tyre pressures must be suitable for the use to which they are being put. The minimum tread depth must be 1.6mm throughout a continuous band comprising the centre three-quarters of the breadth of the tread and around the circumference of

the tyre.

The correct tyre pressures are displayed on the inside of the driver's door.

Dedicated travelling passenger seating

Seat belts are fitted to all travelling seats. Designated travelling seats have been fitted to some layouts to ensure the safety of your passengers. These seats vary according to the layout that you have purchased. Each seatbelt frame is tested to the relevant safety requirements.



NEVER travel in or attempt to install a seatbelt to a non-designated seat.

Side facing seats are for habitation use only, not for use when the vehicle is in motion.

Seat Belt Legislation

Seat Belts must be worn when the vehicle is in motion by the driver and all adult passengers. In addition children, aged up to three years of age, must wear an appropriate child restraint such as a child or booster seat suitable for their age and weight. Children over 135 cm (4'5") in height or aged over 12 years must wear a seat belt.

It is the legal responsibility of the driver to ensure children aged up to 14 years old are suitably restrained. For passengers aged 14 and over, it is their responsibility (not the driver's).



Seat belts are fitted for you and your passenger's safety and must be worn unless you have a 'Certificate

of exemption from Compulsory Seat Belt Wearing' This certificate must be produced if asked for by the police - Seatbelt offences may result in a fine.

Child seats

Positioning/ Fitting

Dependent upon the child seat type, the most suitable position for a child seat to be fitted may be the front passenger seat of the cab (NOTE Follow the airbag advice) or the window seat of the forward facing rear seat. The aisle seat in the rear is not a recommended position. Advice should always be taken from the retailer on the suitability and security of the seat in the motorhome.

All of the motorhomes are fitted with inertia seatbelts; however, the child seat must be tight in the adult seat. Push all your weight into the child seat as you tighten the belt. Keep a copy of the child seat fitting instruction in the motorhome for easy reference.

Airbag



Never fit a rear-facing child restraint in a seat with an active airbag in front of it.

Forward-facing child restraints should be positioned as far back from the airbag as possible. Check the base vehicle handbook.

Three point seat belts located in the habitation compartment of your motorhome.

Fastening the seat belt:

Insert the buckle into the plug in socket until it clicks. The clicking noise will indicate a correct assembly.

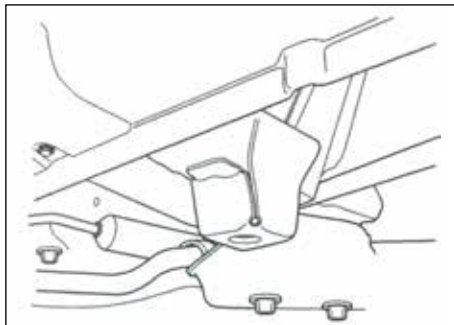
Releasing the seat belt:

Press the red release button; the buckle will be ejected from the plug in socket.

- The belt is designed for one person and must not be put around a child seated on someone's lap.
- The belt is suitable for retaining most child seats and boosters
- The belt should always be used according to these instructions and adjusted accordingly.
- Never wear a slack seatbelt
- When installed correctly the seatbelt should pass across the centre of the shoulder and fix into the plug in socket beside the hip.
- It is important that the strap is not twisted during use as this can cause damage.
- Webbing must not be allowed to rub against sharp surfaces as this could lead to strap damage. If a belt is showing signs of wear (frayed damaged or stressed) it should be replaced.
- Always replace a seatbelt after an impact.
- Always check the anchorage points after an impact; if these are deformed the seatbelt frame will need to be replaced.
- Never modify the belt
- Inspect your seatbelt on a regular basis.

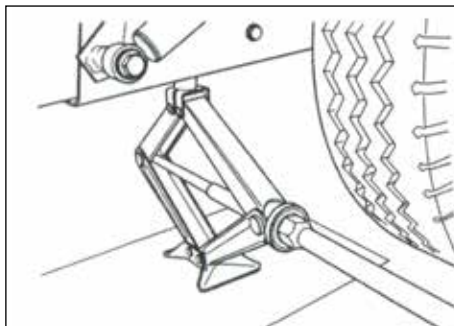
Jacking:

Position the jack in the hole provided as shown. Rear Jacking points are located in the shock absorber mounts on the left and right, in front of the axle.



When changing a rear wheel raise the vehicle to the maximum extent of the jack. In order to clear the skirt when removing the wheel, tilt the bottom of the wheel under the vehicle and allow the top of the wheel to fall outwards and clear of the hub.

Reverse the procedure to fit the new wheel.



GENERAL ADVICE

Removing the spare wheel

Changing the wheel

General Notes

Do not use the jack for loads that are greater than the load given on the jack rating plate. Ensure the vehicle is on a level, firm surface.

Changing front wheels

Select first or reverse gear

Apply the handbrake and chock the remaining wheel.

Changing rear wheels

Select First or Reverse gear.

Do not apply the handbrake but fit chocks under the remaining wheels.

Onboard tools and chocks are usually located underneath the driver's seat.

Spare Wheel Location

The spare wheel is located at the rear under the vehicle floor.

The spare wheel carrier fitted in your vehicle is much like that fitted into modern cars.

To lower the spare wheel:

1. Remove the plastic stopper in the floor. Remove the winder from its storage location and insert the hooked end of the crank in the spare wheel retaining attachment.
2. Lower the corner steadies as a safety measure to stabilise the caravan. Chock the un-punctured wheel on the opposite side of the caravan to prevent any movement.
3. Draw the spare wheel towards you from under the leisure vehicle.
4. Pivot the toggle at the end of the cable 90 degrees to release it from the spare wheel.

As a safety precaution have the flat tyre replaced or repaired before fitting back under the leisure vehicle.

When the spare wheel is being used on the vehicle, the retaining cable could damage the underside of the vehicle if not retracted.

Crank up the cable again by turning the crank clockwise. (The wheel with the flat tyre can be stored on the carrier for transport purposes.)

Returning the spare wheel to the storage compartment

1. Use the crank (turn it counter clockwise) to lower the spare wheel's retaining cable. When there is no wheel attached, the cable will need to be gently pulled from the carrier during lowering to ensure the cable does not tangle inside the carrier.
2. Pass the toggle at the end of the cable through the centre hole in the spare wheel. Pivot the toggle 90 degrees so that when raised, the wheel will rest on the toggle.
3. Retract the retaining cable slightly by slowly turning the crank clockwise several times.
4. Position the wheel so that it is not obstructed by components under the floor.
5. Continue to raise the wheel by turning the crank clockwise. Raise the wheel a little bit at a time and guide it until it is securely seated against the floor.
6. When it is no longer possible to turn the crank any further check that the spare wheel is seated tight against the underside of the floor and has not fouled

on any component.

7. Replace the plastic stopper inside the vehicle.



- The vehicle jack must only be used for changing a wheel.
- Under no circumstances should anyone be allowed underneath the vehicle when it is elevated on a jack.
- On no account should it be used for repair work under the vehicle. Never jack-up the vehicle by the rear axle, front axle, oil sump or transmission.
- When working on a loaded vehicle, use a suitable hydraulic lift platform or work in an inspection pit. Always consider the centre of gravity of the vehicle. Before driving onto platforms, check for low lying vehicle parts.

Safety and Security

Important: your attention is drawn to the notice fixed in your motorhome advising on fire protection, ventilation and what to do in case of fire.

Children,

Never leave children alone in the motorhome and keep potentially dangerous items out of reach as at home e.g. matches drugs etc.

When upper bunks are used by children, especially those under the age of six, care should be taken to ensure against the risk of them falling out. These bunks are not suitable for the use of infants without adult supervision.

Fire Extinguishers

It is recommended that a 1 Kg (2.2lb) minimum capacity dry powder fire extinguisher be located near to the main habitation entrance door.

- A pan fire 'should' not have a fire extinguisher aimed at it but be smothered with a fire blanket. This should be within easy reach of the hob but away from the source of flames.
- In case of a fire
- Get everyone out of the motorhome as quickly as possible using whichever exit is nearest including windows. Do not stop to collect any personal items.
- Raise the alarm. Call the fire brigade
- Turn off gas cylinder valve if it is safe to do so.



Ventilation and Condensation

The ventilation points on your motorhome are fixed points of ventilation which are specified by European Standards. Under no circumstances must these be blocked or obstructed. It is advised that fixed ventilation points and any protective screens are checked and cleaned (if necessary) on a regular basis.

Fresh air circulation should be allowed below the motorhome when appliances are in use and when flues terminate below the floor to allow free evacuation of the products of combustion. At least three sides of the under-floor space should be kept clear and unobstructed including by snow. Do not make any additional

openings in the floor.



Additional night time ventilation is obtained by releasing the window catches and placing them in the second groove on the frame catch.

General.

Before using your Bailey motorhome, you should be fully conversant with the following safety precautions; if you are in any doubt as to the meaning of any of them you should contact your supplying Bailey retailer. Please read the following carefully.

In the interest of safety, replacement parts for appliances must conform to the manufacturer's specifications and should be fitted by them or an authorised agent.

- Never use portable cooking or heating equipment other than electric heaters that are not of the direct radiant type, as it is a fire and asphyxiation hazard.
- Do not use cookers as heaters and do not dry clothes on the cooker or space heater.
- Make sure that combustible materials cannot come into contact with hot surfaces or burners.
- Surfaces of appliances may become hot in use and the guard provided does not give full protection to the young or the elderly.
- DO not use additional independent gas appliances inside the vehicle.
- Never allow modifications of the electrical or LPG systems or appliances except by qualified technicians.
- Do NOT obstruct ventilation.

The heating system provided in your motorhome is of the "room sealed" type, any replacement should be of the same type.

Turn off all gas cooking appliances before travelling.

Ventilation openings are located below all the gas appliances, and in the base of the gas locker. In winter conditions make sure the vents are clear of both snow and mud. These openings should regularly be checked and any mesh covering them cleaned with a stiff brush to prevent any risk of them becoming blocked. The openings are provided for your safety - please do not obstruct them.

Morland - Proud suppliers to Bailey of Bristol



visit www.morland-uk.com

Morland, Unit 2, Buttington Cross Enterprise Park, Welshpool, Powys SY21 8SL
Tel +44 (0)1938 551 980 Fax +44 (0)1938 554 174 Email: info@morland-uk.com

AMC Chassis

Your vehicle is fitted with an AMC Chassis conversion supplied and fitted by AL-KO Kober Limited. As a result the base vehicle has undergone certain changes.

The original rear frame has been replaced by a hot-dip galvanised AL-KO lightweight chassis. This chassis is connected to the cab by means of a special bracket assembly.

The AL-KO chassis and AL-KO axle with torsion bar suspension is fitted in place of the original equipment manufacturer's chassis and axle.

Vehicles with an AL-KO Chassis are approved for use with a trailer.

If fitting a tow bar, use one that has been approved by AL-KO and ensure it is fitted correctly.

When ordering a tow bar assembly, always indicate the vehicle type and the chassis number.

You should ensure that the maximum train weight as shown in the registration documents is not exceeded.

Towing a trailer also reduces the maximum gradient capacity (hill climbing ability) of the vehicle.

Suitable rear view mirrors, in accordance with road traffic regulations may have to be fitted.

DRIVING INFORMATION/TRAILER USE

To achieve optimum results when towing a trailer, please observe the following points:

- Refer to base vehicle handbook for towing limits.
- Do not tow with the vehicle empty and the trailer loaded. If this is unavoidable, please drive slowly to allow for the unfavourable weight distribution.

- Always locate heavy objects close to the trailer's axle and secure.
- Observe all legal issues applicable to towing.
- Ensure tyre pressure of vehicle is set at fully loaded setting.
- Use low gear when travelling downhill to avoid constant braking.

The electrical functions and the electrical circuit diagram will be found in the operating instructions supplied by the base vehicle manufacturer.

Repairs

Repairs to the AL-KO AMC components including the axle assembly may only be carried out by specialist workshops.

SAFETY EQUIPMENT



Smoke Alarm

The smoke alarm is operational once the battery is connected. When products of combustion are sensed, the unit sounds an alarm until the air is cleared.

Features

- Battery Operated
- The Operating light (red LED) flashes every 40 seconds confirming that the unit is powered.
- Low Battery Warning: the unit will emit an audible 'chirp' once every 40 seconds for 7 days before the battery needs to be replaced. (Failure to replace the battery will result in insufficient power to alert you in a real fire situation.
- Sensitivity test button. This tests the sensitivity, circuitry, battery and horn.
- Loud alarm.

Test smoke operation after vehicle has been in storage, before each trip and at least once a week during use.

Your alarm requires one 9 volt battery. Under normal use, the battery should last one year.

Simple Maintenance

Clean your smoke alarm once every three months to help keep the unit working correctly. Gently vacuum using the soft brush attachment.

Problems are indicated by two events:

The alarm does not sound upon pressing the test button.

The operating light remains steadily on or off

SAFETY EQUIPMENT

(i.e. does not flash every 40 seconds, when the unit is not in alarm.)

Try the following:

Inspect for obvious damage.

- Check that the unit contains recommended battery type.
 - Check that the battery cover has been removed.
 - Check that the battery is properly connected
 - Gently vacuum as recommended above
- Replace battery

If these procedures do not do not correct the problem, do NOT attempt repairs; replace the smoke alarm

Carbon Monoxide Alarm

A Fire Angel CO-9B battery operated alarm is fitted near to the ceiling in your caravan.

Features

- An advanced electrochemical sensor designed to accurately measure low levels of carbon monoxide (CO) providing an early warning of toxic CO levels in your caravan.
- Detects carbon monoxide continuously.
- Resistant to false alarms caused by usual household contaminants.
- Sounds a large 85 dB alarm (at 1 metre (3 feet)) to alert you in case of an emergency.
- Test/Reset button
- Simple to mount , portable, ideal for travelling
- Conforms to the British standards Institute (BSI) Carbon Monoxide Standard BS EN 50291: 2001
- 7 Year Warranty.
- Test/Reset button feature

- Test the sounder, batteries and circuitry
- Allows you to test the sensor by introducing a source of CO into the detector
- Silence the loud 85dB sounder during an alarm (only possible when current CO level is less than 50ppm)
- Testing the sounder batteries and circuitry.
- Test the sounder, batteries and circuitry by pressing and holding the Test/Reset button for 1 second to confirm that the detector is operating properly. The sounder should sound as soon as the button is pressed, and the alarm LED will illuminate red, indicating that the sounder is working and the batteries are providing power to the unit. The test for the sounder batteries and circuitry should be performed weekly.
- Testing the Sensor
- All sensors testing should be carried out by a responsible adult. This test should only be performed once a month. Excessive testing will cause the battery life to be shortened.



CO testers may be used in order to avoid having to burn cigarettes, incense sticks etc.

Please read all steps thoroughly before attempting to test your alarm.

- If the alarm is wall mounted, remove by unhooking the unit from the wall fixing screws.
- Cover the sounder vents with one hand and hold the Test/Reset button down with your thumb/ finger until the power LED illuminates green and the sounder sounds for a second time. (This should happen after 5 seconds.) Release the Test/Reset

button and the power LED will flash green once every second. This indicates that the sampling rate of the detector has increased and can be tested using a known source of CO.

- Light an incense stick or a cigarette using a match or a lighter. If using an incense stick, be sure to blow the flame out so that the incense stick is smouldering. Extinguish the lighter, or put out the match and place it into a dish of water.
- Turn the detector on its side so that the vents on the right hand side of the detector are pointing downwards. Hold the burning incense stick or cigarette around 15cm (6 inches) below the detector. An increase in the localised carbon monoxide level within the sensor to more than 50ppm (Parts Per Million, the accepted level of carbon monoxide in the air) this will cause the sounder to sound for one cycle of four loud beeps. The power LED will no longer flash green every second but will revert to flashing once a minute. The detector will revert back to the ordinary operating mode (it may take up to two minutes for the localised level of carbon monoxide to reach over 50ppm.) Now move the source of CO away from the detector as the test is finished.
- After step 4, put out the incense stick or cigarette by placing it into a dish of water. Ensure all flames have been extinguished.



If the localised carbon monoxide level within the sensor does not reach 50ppm during the test, the sensor test will stop automatically after 3 minutes.

Understanding your product's indicators

- The higher the concentration of carbon monoxide detected by the detector, the quicker it will respond. When sufficient carbon monoxide is detected a loud audible signal (85 dB at 1m/3 ft) will be emitted and the Alarm LED will flash red once every second.
- The Alarm will sound:
 - Between 60 and 90 minutes when exposed to 50ppm of CO
 - Between 10 and 40 minutes when exposed to 100ppm of CO
 - Within 3 minutes when exposed to 300ppm or more CO
- There will be an audible 'chirp' if the battery, sensor or circuitry has any fault including a low battery. This sound will continue once a minute for 30 days. (The battery must be replaced to ensure occupant safety.)
- If the device continues to chirp despite having new batteries and the product is still in warranty then contact technical support for the device. If the device is no longer in warranty replace it immediately
- Maintaining/ testing your detector
- Maintenance
- Your detector will alert you to potential hazardous CO concentrations in your caravan when maintained properly. To maintain your FireAngel detector in proper working order and to ensure that the sensors will last for the lifetime of the product, it is recommended that you:
 - Test the sounder, batteries and circuitry of your detector once per week by pressing and holding the Test/Reset button for 1 second.
 - Perform the sensor test annually.

- Keep the detector free of dust by gently vacuuming with a soft brush attachment when required.
- To prevent the possibility of contaminating the sensor in your detector and thus affecting its reliability:
- Never use cleaning solutions on your detector. Simply wipe with a damp cloth.
- Do not paint the detector
- Do not spray aerosols on or near to the detector.
- Do not use any solvent based products near to the detector



Failure of any test should be reported to the manufacturers technical support line.

+44 800 1412561

Do not attempt to repair your CO Detector. Do not remove any screws or open the main casing of your detector. Any attempt to do so may cause malfunction and will invalidate the warranty.

Never ignore any alarm.

What to do in the event of an alarm

- Keep calm and open all the doors and windows to ventilate your caravan
- Stop using all fuel burning appliance and ensure where possible they are turned off
- Evacuate the caravan leaving doors and windows open
- Do not re enter the caravan until the alarm has stopped.
- Get medical help for anyone suffering the effects of CO poisoning and advise that CO

SAFETY EQUIPMENT

- poisoning is suspected.
- Close the windows and doors and do not use the caravan again until you have had a full service of all appliances by your supplying retailer. In the case of gas appliances they must be tested by a GAS SAFE registered installer. Please contact your Bailey Retailer for more details.
- The electro-chemical sensors used in the carbon-monoxide alarm have a limited lifespan- therefore it is recommended that a CO alarm is replaced every 5-7 years after manufacture or in accordance with the unit's instructions, do to be sure check the manufacturing date on the alarms label.

CONNECTION OF SERVICES- The Water System

Please read and become familiar with the operating instructions for the equipment within your Bailey Motorhome.

Connections of services are dealt with under three separate headings, Water, Gas and Electricity.

WATER SYSTEM

The Bailey Motorhome is fitted with a fresh water supply system and a waste water system. All water hose used in the system is WRAS (Water Regulation Advisory Scheme) approved non-toxic food quality hose.

Fresh and Waste water Tanks

Both your fresh and waste water tanks are positioned under the floor with the fresh water tank in front of the waste near to the rear axle. The drain from the waste water is on the offside of the vehicle near to the skirt, behind the rear wheel. The drain for the fresh water tank is accessed through a hatch in the floor of the vehicle and then the plug can be pulled from the bottom of the tank draining all of the water. Both tanks have an inspection cap positioned on the top and accessed through an internal hatch in the floor of the vehicle.

Both the fresh and waste water tanks have a capacity of 100 litres.

Fill the tank through the exterior filler cap identified with a fresh water label. There is an overflow pipe on top of the fresh water tank. Water flowing from this indicates a full tank as does the full tank icon on the control panel.

To empty the waste water tank there is a tap positioned by the skirt on the offside of the vehicle behind the rear wheels. Move your vehicle to a waste water disposal point, open the tap and allow the water to drain.

The water level indicator digital display is mounted within the control panel above the exterior door. There is an audible alarm when the fresh water tank is 25% and 75% full meaning that you are alerted before the tank runs out of water and also when it is near to overflowing.

Breathers:

Both tanks are fitted with cleaning lids which also act as breathers for the water tanks. This allows for air displacement when filling. When filling the fresh water tank, water may escape through these breathers; this should give no cause for concern.

Baffles:

For added stability and driving comfort the water tanks in your vehicle are fitted with baffles. These baffles stop the water from flowing freely from side to side and creating uneven weight distribution.

Frost Protection.

Your fresh water tank is clad in a polystyrene insulating jacket that helps to stop the water from freezing in cold temperatures.

It is also fitted with a tank heater which operates when the temperature drops below -2°C. Should you wish to turn the tank heater off you will find the switch in the front of the van behind either the passenger or driver's

seat.

However if the vehicle is not being used during freezing conditions the water must be drained.

Fresh Water Pump

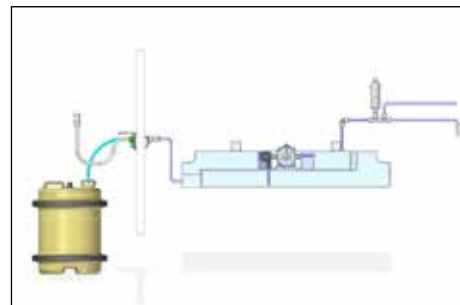
A Whale Watermaster onboard pump is fitted to your vehicle. It will be located under the hatch in the floor and is accessible through the fresh water tank hatch.

Operating Instructions

WHALE TANKFILL SYSTEM

The onboard tank can either be filled using a Whale submersible pump or a whale Aquasource Mains Hook-up. The Whale watermaster pump is used to supply a pressurised water system to the taps and shower.

Filling the onboard tank.



The on-board tank is filled in one of two ways either,

1. Using the Aquasource. (As supplied with the van)

(When a drinking water tap is available within approximately 7 meters of the vehicle.)

- Lift the lid of the external Whale Watermaster socket.
- Insert the Whale Aquasource plug firmly into the socket, and close the lid down [approximately 90°] until it locates and locks the Whale Aquasource plug into place.
- Connect the other end of the Whale Aquasource to the water tap, and turn it on, making sure there are no kinks in the pipe run.
- Turn off the tap when water flows from the overflow underneath, indicating that the onboard tank is full.
- To remove the Whale Aquasource.
- Disconnect the Whale Aquasource from the tap.
- Lift the lid of the Whale Watermaster socket, to the vertical position.
- Depress the two white location buttons on the Whale Watermaster plug, and remove from the socket.
- Close the lid of the Whale Watermaster socket, until it is located into position.
- Stow away the Whale Aquasource in a clean chemical-free area.

2. Using the Whale Submersible Pump.

When a drinking water tap is not at hand.

- Fill a suitable water container, and place below the Whale Watermaster socket.
- Place the Whale Submersible pump into the water container; the pump should reach the bottom of the container.
- Lift the lid of the external Whale Watermaster socket.
- Insert the Whale Submersible pump plug

firmly into the socket, and close the lid down [approximately 90°] until it locates and locks the Whale Submersible pump plug into place.

- The pump will then start automatically to fill the onboard tank.
- When the tank is full, the pump will turn off.
- Remove the shower head and repeat the above actions to dispel any air from that as well.



Please note that when the water container is empty the pump will continue to run and will eventually burn out.

To remove the Whale submersible pump.

- Lift the lid of the Whale Watermaster socket, to the vertical position.
- Remove the Whale Submersible pump plug from the Whale Watermaster socket.
- Close the lid of the Whale Watermaster socket, until it is located into position.



Stow away the Whale Submersible pump in a clean chemical free area, shaking any loose water from the unit first.

It should be noted that as the container volume is likely to be less than that of the onboard tank, it is advisable to remain in attendance, when filling the tank, as the life of the pump will be drastically reduced if allowed to run dry. To fill an onboard tank to the brim you normally have to repeat this procedure several times. To continue the filling of the onboard tank should the water container volume be less than that of the onboard tank.

Repeat the operations under the heading 2. Using the Whale Submersible pump, removing the pump from the Watermaster socket each time.

Using the Whale Watermaster Pressure Pump

The water system can be primed as follows, after the onboard water tank has been filled.

- Switch on the ancillary power supply to the pump at the main panel.
- Open one hot tap e.g. Kitchen sink.
- Water will flow from the open tap after filling the water heater. This could take a few minutes if the water heater was empty.
- When the water is flowing smoothly, close the hot tap and open the cold tap to expel any air left in the plumbing system, close this tap when the water runs smoothly.
- The system is now ready for use.
- Repeat with all taps to expel any air in the system
- Remove the shower head and repeat the above actions to dispel any air from that as well.

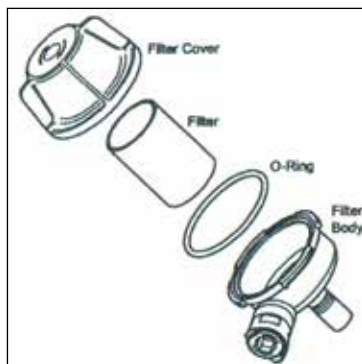
Hints.

- Should the motorhome be left unattended, or when the water supply has been allowed to empty, switch off the power supply at the pump at the main panel to avoid the pump running continuously.
- Should the flow rate from the taps be reduced at any time, check the grit filter at the side of the pump, and clean as necessary.

Cleaning the Grit Filter

Switch off the power supply to the pump, and drain the water system.

- Following the arrows marked OPEN on the Filter Cover, unscrew the Filter Cover.
- Remove and clean the filter.
- Replace the filter.
- With the O-Ring in its groove, replace the Filter Cover, following the direction of the Close arrows on the Filter Cover, until fully seated.
- Under no circumstances should the Whale Universal pump be run without a filter on the suction side.



Routine Maintenance

- Ensure the water fill hose 'O' ring and socket are kept free from dirt
- Drain system thoroughly during the winter months
- Service the inlet annually
- Replace the water filter annually.
- The system is pressure controlled to protect your motorhome from sustaining damage to its water system.
- Plumbing connections should be checked at the beginning and end of each season for

frost damage or loose connections.

- When you are using an Aquasource system it is important that you do not sleep or leave the vehicle unattended without turning the water source off at the supply point.

Draining and winterising the water system

Motorhomes are often used all year round, but when they are not in use, even for short periods, this procedure should be followed. One night in freezing temperatures is all that is required for expensive, permanent damage to water system components.

- Open all taps, shower controls and shower rose on/off controls, lift the ceramic ball mixer tap levers in the central position to allow both the hot and cold water to drain.
- Open the valves and run the pump to drain the system.
- Remove the shower head
- To remove the shower head, unscrew by hand then shake out and store in a dry place.
- Remove the submersible filter and store it in a dry place
- Open the drain valve next to the water pump.



It is essential that the lever of the ceramic ball is fully raised and in a central position. Failure to do this will not allow both the hot and the cold water system to fully drain and will therefore result in frost damage.



Frost damage cannot be claimed for under warranty.

Shower Tray

Although your shower tray is fitted with two drainage points and every effort has been made to ensure that the shower tray can drain completely, some residual water may remain which will require "mopping up."

Waste water

It is important that your waste water (often referred to as grey water) from the motorhome's sinks and shower tray is disposed of in a suitable way.

Upon arrival at a site advice should be sought from the site manager as to whether there is a dedicated motorhome service area which includes a waste (grey) water drain.



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Call us directly for product and installation advice

GAS SYSTEM

General Information

Liquefied Petroleum Gas (LPG) is the most convenient 'portable' fuel for your vehicle. The maximum capacity of the gas cylinder compartment is 1 x 13Kg gas cylinder and 1 x 6Kg gas cylinder.

Your vehicle is installed with en route heating allowing you to travel safely whilst still using your heating system and without switching off the gas cylinders. When travelling, ensure that your cooking appliances are switched off before you move your vehicle.

Regularly check the flexible gas hose, joints and connections for tightness. Finally make sure that each gas appliance is working efficiently to the recommendations of the appliance manufacturer.

Only use gas cylinders that are mounted in their dedicated storage locker and secured using the straps provided. Never extend the hose; it must not exceed 450mm.

If you decide to use gas cylinders of another size it is very important that you ensure the cylinders are adequately supported and they do not block the ventilation in the openings in the gas locker compartment. Ensure that these gas cylinders do not cause damage to the fixtures and fittings located in the gas cylinder compartment.

Regulator

Your Bailey motorhome is fitted with a wall mounted Truma MonoControl CS safety gas pressure regulator plumbed inside the gas cylinder compartment. The gas pressure regulation system provides an even output pressure of 30 mbar.

The regulator is a governing device that adapts the pressure from the gas cylinder to one that suits the equipment within the motorhome



Do not use a regulator with a different operating pressure.

A high pressure gas hose with integrated hose rupture protection (HRP) is essential for connecting the gas cylinder to the gas pressure regulation system. The integrated crash sensor complies with the Heating Equipment Directive 2001-56-EC with the supplements 2004-78-EC and 2006/119/EC. The crash sensor enables you to use a Liquid gas heater whilst driving whilst providing suitable precautions that there is not an uncontrolled release due to an accidental disconnection. The gas system is certified for use throughout Europe whilst the vehicle is being driven. It is important that all gas appliances are turned off when at a fuel station.

In the event of an accident with deceleration of 3.5g \pm 0.5g acting directly upon the triggering element, the integrated crash sensor interrupts the flow of gas.

Gas Hoses

A high pressure hose with hose rupture protection (HRP) is essential for connecting the gas cylinder to the gas pressure regulation system. Truma provides the necessary high-pressure hoses with the most commonly-used connection variants for European gas cylinders.



The pressure regulating devices and hoses must be replaced with new ones no more than 5 years after their date of manufacture (every eight years if used commercially) This is the responsibility of the operator.

All gas cylinders have unique connections. It is important to check that you have the correct hose and/ or adaptor to suit your gas cylinder. Push on hoses are no longer permitted under the latest regulations.

Gas cylinders that are not connected to the gas installation must be closed off at all times and provided with protective caps.

It is important that only upright gas cylinders are used when operating the MonoControl CS gas pressure regulation system. Gas cylinders from which gas is extracted in the liquid phase must not be used, since they would result in damage to the gas system.

Precautions

Make sure that cooking appliances are switched off before you move the Motorhome. All gas appliances in your Motorhome can have their gas supply individually isolated by turning off the relevant tap. The tap is either located on the centrally positioned gas manifold or directly beside the appliance.



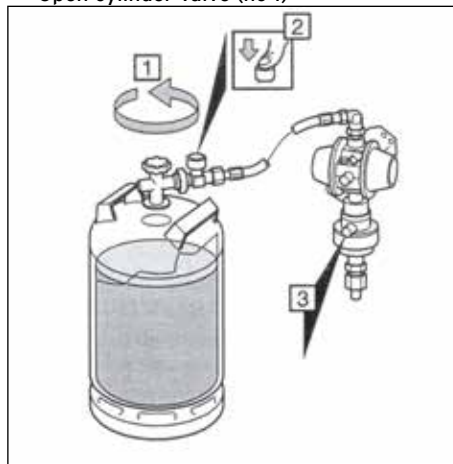
Some industrial LPG appliances operate at high pressure and require a 'high pressure' regulator. This often has an adjusting handle on it. Never use such a regulator on a Motorhome.

- Always ensure that the gas system is inspected/maintained at least every 12 months.
- In the event of a fire ensure all occupants evacuate the Motorhome via the nearest escape route.
- If you suspect a gas leak then immediately turn off the supply of gas at the yellow isolation tap located below the regulator in the gas box. Then turn off the gas valve on the gas cylinders. When this has been completed the system must be inspected by a competent person.
- Never use gas cylinders located outside the Motorhome gas box. Do not use any gas extension hoses.
- Never replace your regulator with one that does not conform to EN12864 Annex D as this does not comply with EN1949.

Operating Instructions

Start UP

- Open cylinder valve (no 1)



- Firmly press the hose rupture protection (green button No 2) on the high pressure hose.
- If necessary (e.g. after a new installation or after inadvertently striking the gas cylinder against the gas pressure regulation system,) hold the reset button (No 3) in for at least 5 seconds before slowly releasing the green button. (Crash sensor triggering element reset) on the MonoControl CS.



Some cylinder valves differ including products fitted with push on connectors or something similar.

Changing the LPG Cylinder

Please use the included spanner to attach and remove the high pressure hose from the cylinder. It will help to generate the necessary tightening torque and will prevent damage to the screw fixings by over-tightening.



Residual gas: do not smoke, avoid open flames.

- Close the empty gas cylinder's valve
- Remove the high pressure hose from the gas cylinder
- Attach the high pressure hose to the full gas cylinder.
- Open the full cylinder's valve.
- Press the hose rupture protection.

At any time after making changes, check the hose connection to the cylinder valve for leaks using a leak detector spray or a soapy solution.

Hose Change

Follow the above instructions concerned with changing the LPG Cylinder.



Residual gas: do not smoke, avoid open flames.

- Close gas cylinder valve
- Remove the high pressure hose from the gas cylinder and from the regulator inlet



When performing a hose change please ensure that the 'O' ring provided with the hose is correctly installed and not damaged.

CONNECTION OF SERVICES- The Gas System



We recommend that the gasket (part number 50020-76300) is replaced with every hose change. This will be provided by your supplying dealer upon replacement of the hose.

- Screw country-specific high-pressure hose to MonoControl CS inlet and to the cylinder
- Open gas cylinder
- Press the hose rupture protection and, if necessary the reset button
- Check hose connection to cylinder valve and at MonoControl CS inlet for leaks after every modification

Gas Leaks

If a smell of gas becomes apparent, the supply should be turned off at the cylinder immediately. Extinguish naked lights including cigarettes and pipes. Do not operate electrical switches. Open all doors and windows to disperse any gas escape. Butane/Propane gas is heavier than air; any escaping gas will therefore collect at a low level. The strong unpleasant smell of gas will enable the general area of the leak to be detected. Check that the gas is not escaping from an unlit appliance. Never check for leaks with a naked flame; leak investigation should be carried out using a leak detector spray or soapy solution.

Do not operate any electrical apparatus whatsoever, especially light switches. If the leak is not obvious, the Motorhome should be evacuated and a competent service engineer consulted. Avoid naked lights when connecting or changing a cylinder. Ensure the gas valve is turned off. Regularly inspect the flexible gas hoses for deterioration and renew as necessary with approved type (all hoses should

be replaced every five years). Remember the gas is heavier than air and therefore sinks to the lowest point. Keep gas cylinders outside (and protected against frost). If they must be kept inside make sure they are well away from heat and near to a drop out vent.



Additional independent gas appliances should not be used inside the motorhome.

Ventilation

Carbon Monoxide is odourless, colourless and tasteless and will rapidly cause unconsciousness and death with little or no warning prior to collapse.

Under no circumstances should the Motorhome's ventilation be blocked or obstructed in any way

High level ventilation is via the roof lights. The low level ventilation is via the vents in the floor at the front of the Motorhome living area directly behind the front bulkhead. With multi berth layouts the rear sleeping compartments have their own low level ventilation. Please consult your Motorhome retailer for its location.

The mesh screens and the open end of the gas hose should be kept free of obstructions by dust, leaves, etc. Inspect regularly and use a brush and soapy water as necessary. It may be necessary to remove the weather shield located on the underside of the floor of the Motorhome to gain access for cleaning.



Safety ventilation shall in no circumstances be obstructed, even partially.

General Safety Notes



In the event of leaks in the gas systems or if there is a smell of gas:

Extinguish all naked flames.

Do not smoke.

Switch off appliance and gas cylinder.

Open the windows

Do not operate any electrical switches

Have the entire system checked by an expert.

Repair Jobs are only to be carried out by an expert.

The Following would invalidate the guarantee:

- Any alteration to the appliance (including cowl.)
- The use of non-Alde spare parts/accessories
- Non observance of the operating instructions

The operating pressure for the gas supply is 30mbar (or for 28mbar butane/ 37 mbar propane) and must correspond to the operating pressure of the appliance (see name plate.)

Do not operate the water heater when refuelling the vehicle and when in the fuel station.

During initial operation of a brand new appliance (or after it has not been used for some time), a certain amount of fumes and a slight smell may be noticed for a short time. Remedial action here is to immediately run the heater at maximum output and to ensure adequate room ventilation.

If the burner makes an unusual noise or if the flame lifts off, it is likely that the regulator is faulty and it is essential to have it checked.

ELECTRIC SYSTEM

THE ELECTRICAL SYSTEM - 230 VOLT

As in the home, care must be exercised when handling mains electricity. Your attention is drawn to the following notice as laid down by the Institute of Electrical Engineers. Instructions for electricity supply - low voltage (230 v)

On arrival at Motorhome site

Before connecting the Motorhome installation to the main supply:

- Check that the mains supply is suitable for your installation and appliances, i.e. whether it is a.c. or d.c. and whether it is at the correct voltage, frequency and polarity.
- Check that your installations will be properly earthed. Never accept a supply from a socket outlet or plug having only two pins, or from a lighting outlet.
- Check that any residual current device (earth leakage circuit breaker) in the mains supply to the Motorhome has been tested within the last month. After connection to site supply, test again.
- Make sure that the switch at the site supply point is off.
- Make sure that the Motorhome RCD unit is switched off.
- Remove any cover from the electricity inlet provided on the Motorhome, and insert the connector of the supply flexible cable.
- Remove any cover from the socket outlet provided at the site and connect the plug at the other end of the supply flexible cable to this. Switch on the main switch at the site supply point. (If there is not switch the power will already be live)
- Leave spare cable in loose coils on the floor

and not on a drum.

- Switch on the Motorhome RCD unit.
- It is at this point it is good to check the trip switch. Reposition it to see if this activates the flow.
- In case of doubt, consult the site owner or his agent.

On leaving Motorhome site

- Switch off the site supply.
- Switch off the Motorhome RCD unit.
- Then disconnect the pitch lead.
- Switch off and disconnect portable appliances.
- Stow cable in a tidy state.
- In case of difficulty consult an approved electrical installation contractor (who may be the local electricity board). It is dangerous to attempt modifications and additions yourself.
- Lamp holder-plugs (bayonet-cap adapters) should not in any circumstances be used.
- Replace the cover of the socket outlet at the site supply point. It is dangerous to leave the supply socket or supply flexible cable live.
- Every 12 months, the Motorhome electrical installation should be inspected and tested and a report on its condition obtained as prescribed in the Regulations for Electrical Installations, published by the Institute of Electrical Engineers.

Generators

- Switch off all appliances, the miniature circuit breakers and the residual current device.
- Start the generator and allow to run for a

few minutes to stabilise.

- Connect the motorhome to the generator using an approved hook up cable.
- Switch on 16 amp miniature circuit breaker.
- Switch on the residual current device.
- Switch on the fridge (230 volt phase) or plug in a 230V light to one of the 13amp sockets. This is to provide a load on the generator and help remove any "spikes" in the supply which can damage the charger unit.
- Switch on the 5amp miniature circuit breaker and any other appliances you require.

It is always advisable to have at least one other mains appliance switched on with the charger unit to minimise the chance of damage to it.

Do not connect the 12 volt output of the generator to the battery terminals. The AC ripple must not exceed 10%.

Overseas connections

Connection to a mains voltage supply overseas requires particular attention.

Care must be taken when connecting supplies abroad since the supplies can have reverse polarity.

The significance of reverse polarity is that when equipment is switched off it may not be electrically isolated.

The only certain way of making equipment safe is to unplug it.

Motorhome Service Systems

A means of checking the polarity of the mains supply when overseas is useful.

CONNECTION OF SERVICES- The Electric System

There are available several proprietary makes of equipment for the purpose (e.g. Martindale tester unit).

Check all Motorhome equipment is set-up to accept the site supply before actually switching on.

Mains unit

The mains unit replaces the conventional fuse box. Similar, but larger units are often fitted in newer houses. The unit gives overload and earth leakage protection for the 230V electrical supply in your Motorhome.

For normal operation all switches on the unit need to be in the ON position. The switches on the left of the unit are known as M.C.B.'s (miniature circuit breakers).

In the event of a fault the M.C.B. 'trips' i.e. automatically moves to the OFF position.

After elimination of the fault the M.C.B. can be re-set by switching to the ON position. (Against the spring pressure in an upwards direction).

If an earth fault develops or a person were to touch a live piece of equipment, the leakage of current to earth should immediately operate the RCD (residual current device) and 'trip' the main switch, to its OFF position.

This switch is only re-settable after elimination of the fault.

To re-set, operate the switch as for M.C.Bs.

Every time you connect to a site supply the RCD should be checked by operating the test button marked 'T'. The unit should immediately switch off, do NOT use the mains supply system and a qualified electrician should be called.

If the unit does switch off, the test is complete and the switch can be reset restoring the supply back to normal.

Having too many appliances switched on at the same time will trip the MCB. This is a safety measure.

It is essential that connections are made exactly as shown. If terminal markings are not in accordance with the diagram they must be ignored. If in doubt consult a qualified electrician.

Always disconnect the electrical connector between the towing vehicle and the Motorhome before connecting a 230V supply to the Motorhome and before charging the Motorhome battery by any other means.

It is possible that all of the 230V mains electrical equipment may not be able to be operated simultaneously.

Many motorhome park mains hook up point provides a maximum output of 16 amps and on some continental sites the available output may be as low as 5 amps. If your loading exceeds the site supply it may trip the parks circuit breaker. Please check the available mains output in amps with your site operator.



No appliance shall be used outside when being connected to the internal socket.

THE ELECTRICAL SYSTEM - 12 VOLT

Your motorhome is fitted with a dual stage power supply/charger supplying 14.2V to your leisure battery and between 13.6/13.8V to the habitation unit. This converts the 230 volt AC supply to 12- volt DC. This enables the 12 volt equipment in the motorhome to function and charges the motorhome leisure battery. A fully charged leisure battery should read 12.7 volts on the voltmeter mounted in the control panel. During charging the control panel will temporarily read between 14.2/13.8 volts.

The charger is capable of charging leisure batteries and will not overcharge. The 12 volt system is designed to operate with a leisure battery in circuit and should not be turned on without one connected. The 12 volt supply to the Motorhome services can be isolated via the 12 volt on/off switch on the control panel.

The 12- volt electrical systems fuses are located either in a bed box or under the fixed bed. It has 14 fused each having identification to their particular use. If a fuse is to be replaced it must be with one of the same rating as the one that is removed.

For more information on the power supply please refer to the specification page in your hand book.

Auxiliary Battery storage/mains inlet

The battery is located under the floor in the motorhome in a sealed compartment. This compartment will accommodate two batteries up to 110 amperes/hours capacity. The battery must be placed in the tray provided in the battery storage compartment, and this must be used at all times.

A battery of not less than 60 amperes/hours

capacity is recommended. Crocodile clips should never be used to connect the battery, and terminals should be shrouded.

The 230V mains inlet is located on the side of the motorhome.



Always switch off all appliances and lamps before disconnecting the auxiliary battery.

- The battery should be secured to prevent movement when in transit.
- Metal objects should not be stored in the battery box.
- DIY modifications/additions to the wiring systems are not recommended. Consult your dealer who will be pleased to carry out such work.
- Do not continuously charge the battery when Motorhome is not in use.
- Switch off all appliances before disconnecting battery,
- Negative connections should always be disconnected first and reconnected last.
- Car type battery chargers are not suitable for charging a leisure battery and may damage it.
- When not using Motorhome models always insure that the fridge control knob is turned to the 'off' position. Failure to do this will result in a flat battery due to 12V power drain from the fridge circuit relays.

Banner Leisure Battery

Bailey has chosen to fit a Banner Energy Bull 100ah semi-traction leisure battery to your motorhome, the part number is 95751. This battery is designed to cope with today's increased energy demands and is a thick plate glass matt separated out and out leisure battery. By choosing Banner we are assured of a 1st class product fit for purpose, supplied by a leading European battery manufacturer with an excellent O.E. pedigree and certified manufacturing & distribution processes. Banner possesses the latest ISO9001, ISO/TS 1649 and ISO 14001 quality certification.



- Wear goggles when working with the battery
- Keep out of reach of children
- Keep away from naked flames
- Dispose of old batteries at an authorised collection point. For a replacement unit please contact: Bailey-Parts.co.uk
- The battery must always be kept upright without any danger of tipping. However your Banner battery has 4 chamber leak protection so should not leak during normal handling.
- Prior to removal of the battery switch off all electrical systems.
- When removing the battery always remove the negative terminal first.
- Always insure that the battery's tray is clean.
- Never use a frozen battery or a battery in a temperature above 45 degrees or warm to the touch.
- Stop using the battery if it becomes

CONNECTION OF SERVICES- The Electric System

hot or acid escapes.

Your Banner battery is 100% Maintenance free. Which means under normal circumstances no maintenance is necessary.

However if there is a problem with the charging system you can visibly see the acid levels through the case & if levels have dropped below height of plates you can add distilled water.

Never overcharge your battery a maximum voltage of 14.7v boost & 13.8v float should be used.



The deeper the discharge the more wear is placed on the battery so less cycling means longer life.

Taking out of operation

- Store in a cool dry place. Never store a flat or discharged battery. Always charge before storage & monitor voltage.
- Check the battery voltage every 4 months and recharge with a suitable battery charger if it has fallen below 12.5 volts.
- If the battery is left in the vehicle during storage disconnect the negative terminal.
- For long periods of storage or none use connect battery to a suitable long term connection charger with a float mode such as an Optimate 5 or 6 .

Banner

ENERGY BULL POWERS



Bailey have partnered with Banner batteries for the 2013 season & all vehicles are now supplied with an O.E. quality premium **TRUE LEISURE BATTERY**.

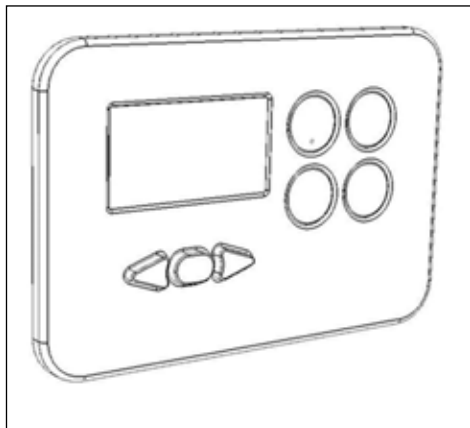
- True capacity ratings - 95751 100ah @ 20hr & 110ah @ 100hr
- True semi traction technology
- True spill proof
- True backfire protection
- True cyclic ability
- True original equipment supplier
- True quality
- True warranty replacement service



TEL : 01179 538140 or e-mail: parts@baileyofbristol.co.uk



THE BCA DIGITAL CONTROL PANEL



Overview

The control panel provides the user with a central point to check:

- Leisure battery voltage
- Vehicle battery voltage
- Level in fresh water tank
- Level in waste water tank

Current in Amps being drawn from the leisure battery

- Inside (Internal) temperature
- Outside (External) temperature
- Time

The control panel also provides the user with the ability to:


- Switch off all non-essential electrical appliances/accessories
- Switch off all the lights
- Switch off the pumps
- Switch the awning light

- Charge the vehicle battery when 230V mains is connected
- Force internal pump to run (For purging pipes)

The control panel has optional audio and visual warnings for:


- Low battery (Leisure)
- Low battery (Vehicle)
- Low level (Fresh water tank)
- High level (Waste water tank)
- High power drain (Leisure battery)
- 230V mains supply lost
- Circular Function Buttons

Master Switch

 When pressed will switch power to all non-essential accessories.

The alarm, radio and fridge still receive power when the master switch is off.


Lights Switch

 When pressed will switch power to all the interior lights.

If the master switch is off, this button will not function.

Pump Switch


Also see "Icons" section for relevant warning icon

 When pressed will enable/disable the water pumps. Holding this button will force the internal pump to run.

If the master switch is off, this button will not function.



FITTED EQUIPMENT- The Control Panel


Awning Switch

 When pressed will switch power to the awning light.

If the master switch is off, this button will not function.

Navigation buttons   

Use  and  buttons to navigate.


Press  to enter function or change settings (if further settings are available).



Screens


Time



The time screen is displayed by default. The control panel will return to the time screen when left idle.

Setting the time:

1. On the time screen, hold  for 3 seconds until the hours begin to flash.

2. Keep pressing  or  to change hours.

3. Press  to set hours, minutes will now flash.


4. Keep pressing  or  to change minutes.

5. Press  to finish.

Water Level

Also see "User Settings" -> "Water Low" for associated alarm

Also see "Icons" section for associated icon


 The level in the fresh water tank is displayed as a % on this screen.

FITTED EQUIPMENT- The Control Panel



Waste Level

Also see "User Settings" -> "Waste High" for associated alarm

Also see "Icons" section for associated icon


 The level in the waste water tank is displayed as a % on this screen.




Fill Internal Tank?

 With the external pump connected to the inlet and to an external water source, press  to fill the internal tank.


Note: When the internal tank is full the pump will stop automatically.




External Temperature

 The outside temperature, as detected by a sensor underneath the van, is displayed on this screen.

You can change between degrees Celsius and degrees Fahrenheit by pressing  and selecting  for °C or  for °F.


Internal Temperature

 The inside temperature, as detected by a sensor inside the control panel, is displayed on this screen.

You can change between degrees Celsius and degrees Fahrenheit by pressing  and selecting  for °C or  for °F.

Select Battery

Also see "Icons" section for associated icon

 With 230V mains disconnected, the user can choose to draw power from the leisure battery OR the vehicle

battery.

Press  to swap between batteries.


If the "Auto-Battery" feature is enabled (see "User Settings" section) the system will automatically switch to "Vehicle Battery" if the "Leisure Battery Voltage" is low (less than 11V).



Note: When 230V mains is connected "Leisure Battery" is automatically selected and cannot be changed.

Leisure Battery Amps



Also see "User Settings" -> "Amps High" for associated alarm

Also see "Icons" section for associated icon

 The current being drawn from your leisure battery, in Amps, is displayed on this screen. A higher current will drain your battery faster.

To display current draw as a % of maximum recommended current press  then .

Note: (0A = 0%) (12A = 100%)


You can return to displaying in Amps by pressing  then .



Leisure Battery Voltage & Vehicle Battery Voltage

Also see "User Settings" -> "Low Volts V" for associated alarm

Also see "User Settings" -> "Low Volts L" for associated alarm

Also see "Icons" section for associated icons

 With 230V mains disconnected, this screen shows the voltage of the currently selected battery (set on "Select Battery" screen).

An estimate of your batteries' remaining charge can be seen by pressing  then .

Note: (12V = 0%) (12.7V = 100%)



You can return to displaying in Volts by pressing then .

*Note: To increase accuracy of the Voltage reading, switch the "Master Switch" off







Note: The "Leisure Battery Voltage" actually displays the voltage of the charger while 230V mains is connected


*Note: "Vehicle Battery Voltage" cannot be displayed while 230V mains is connected.

User Settings





 Press  to access the "User Settings" screen. See below for a description of each option.

Navigation





- You can scroll through the settings with the  and  buttons.
- To edit a setting, highlight it by pressing .
- When it is highlighted press  or  to change value.
- Press  to accept new value.

- To exit, scroll to "Exit to main menu" and press. 

Contrast (of LCD screen)


Press  then  to decrease,  to increase. Press to  finish.

Beep (Disables sounder)





Press  then  or  to set "on" or "off".  Press to finish.


Water Low (Warning tone and pop up with water tank low level)

Press  then  or  to set "on" or "off". Press  to finish

- When level is low the alarm sounds and a pop up appears. Press  to cancel. Only rearms when level is increased by at least 25%.

Waste High (Warning tone and pop up with waste tank high level)

Press  then  or  to set "on" or "off".
Press  to finish

- When level is high, alarm sounds and a pop up appears. Press  to cancel.
- Only rearms when level is reduced below 50%.





230V Lost (Warning tone and pop up when 230V mains is lost)


Press  then  or  to set "on" or "off". Press to  finish

- When mains voltage is lost, alarm sounds and a pop up appears. Press to cancel.





Only rearms after 230V mains has been restored.


Amps High (Warning tone and pop up when current draw is high)

Press  then  or  to set "on" or "off".
Press  to finish




- When current drawn from leisure battery is high (12A), alarm sounds and a pop up appears.
- Press  to cancel.
- Only rearms when current is reduced below 5A.

Low Volts V (Warning tone and pop up when vehicle battery is low)

Press  then  or  to set "on" or "off". Press  finish

- When voltage in vehicle battery is low (less than 11V), alarm sounds and a pop up appears.
- Press  to cancel.
- Only rearms when vehicle voltage is greater than 13V.


Low Volts L (Warning tone and pop up when leisure battery is low)

Press  then  or  to set "on" or "off".




FITTED EQUIPMENT- The Control Panel

Press  to finish

- When voltage in Leisure battery is low (less than 11V), alarm sounds and a pop up appears.





- Press  to cancel.
- Only rearms if leisure voltage is greater than 13V.

Charge VBatt (Displays option to charge vehicle battery when 230V mains is connected)




Press  then  or  to set "on" or "off".

Press  to finish

Standby (Set how long the backlight stays on after the last button is pressed)

Press  then  to decrease,  to increase. Press  to finish.

Auto Battery (When the leisure battery is low, automatically swap over to the vehicle battery)

Press  then  or  to set "on" or "off".

Press  to finish








Firmware (Displays the software version currently installed)

FITTED EQUIPMENT- The Control Panel

Icons

There are a number of icons that can appear at the top of the time screen.

See below for a description of each icon.

Icon	Description
	Internal Pump is running
	Leisure battery is below 12.2V
	Over 12A of current is being drawn from the leisure battery
	The water tank level is below 10%
	The waste water tank is over 75% full
	The living space is being powered by the vehicles' battery rather than the leisure battery.
	The 230V mains is connected.

Warranty

If you believe there is a problem with your control panel please contact your dealer who will be able to help.

Operating Instructions

Please read these instructions carefully before using the boiler. These instructions are approved for The Alde Compact 3010 boiler fitted in caravans, motor caravans and buildings in accordance with CE no. EMC e5 02 0138, 845 BP-0003. Installation and repairs may only be carried out by a professional. National regulations must be adhered to.

Boiler Design

The boiler consists of three eccentrically-fitted cylinders (heat exchanger, water jacket for the heating system and, outermost, water jacket for hot water). The two outer pipes, and their ends and connectors are made of stainless steel, while the heat exchanger is made of aluminium. The heat exchanger is divided into two semi-circles. The burner is located in the upper half, being the combustion chamber, and the combustion gases are expelled through the lower half. The burner unit is fitted on the end of the heat exchanger. It consists of a combustion fan, burner, solenoid valve and intake/exhaust connections. Two heating cartridges are fitted to the water jacket of the heating system. Maximum output is 3.15kW, depending on model.

Description of Functions

Using LPG

When LPG operation is selected on the control panel, the combustion fan starts. When the fan speed is correct, it signals the circuit board that the boiler can be it. The circuit board sends ignition spark to the spark plug at the same time as it sends electricity to the solenoid valve, which opens to allow gas in. The

burner ignites, and a sensor transmits a signal back to the circuit board that the boiler is lit, and the ignition spark stops. The burner keeps burning until the boiler thermostat or the room thermostat reaches the set temperature reading. Should the boiler go out for any reason, the sensor is activated and a new attempt is made to start the boiler (in about 10 seconds). 230 volt heating will not operate unless the icon showing 230 volt power supply is shown on the control panel.

Using the heating cartridge

Electrical operation is selected on the control panel, the 12-volt relays on the circuit board trip, allowing the 230 volt supply to reach the electrical elements. The heating cartridge is controlled in the same way as the gas boiler.

Warm Water

When only warm water is required, for example during the summer, no settings need to be made; the boiler will look after this function automatically.

The pump will only start when the temperature in the vehicle is lower than the temperature (see control panel.)



Important information.

- The boiler must not be started if there is no glycol in the system.
- The LPG boiler and heating cartridge may be operated in parallel.
- The heating system may be heated up without the warm water heater being filled with fresh water.
- Always switch off the main isolator for the boiler when the vehicle is not being used.
- Always drain the warm water heater of fresh water if there is a risk of frost.

The LPG boiler must not be operated when refuelling the vehicle.

When washing the vehicle, take care not to get water in the roof vent.

The Domestic Hot Water Heater

The boiler is fitted with a built-in warm water heater with a volume of approx. 8.5- litres fresh water. The warm water heater can produce around 12 litres of 40°C water per half hour (at a cold water temperature of 10°C). If the heating cartridges are used instead of gas for heating the boiler, the capacity is slightly reduced. Always rinse out the heater before it is used, particularly if it has not been in operation for some time.



The hot water is not intended for drinking or cooking. When the heater is in continuous use, it should be emptied approx. once a month, to ensure that a new air cushion is formed in the heater. The air cushion is essential for

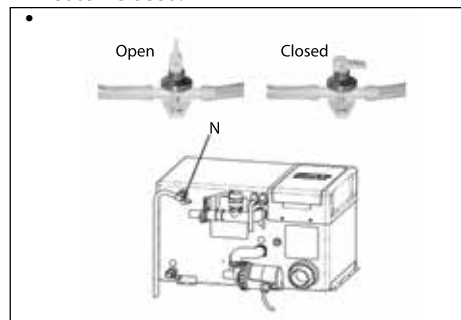
FITTED EQUIPMENT- The Aide Heating System

absorbing pressure surges in the heater. For emptying specially-adapted boilers, as well as any other fresh water systems in the vehicle, please refer to the manufacturer's instructions.

The warm water should always be drained of fresh water when there is a risk of frost and when the caravan is not in use. The warranty does not cover frost damage.

Draining the heater using the combined safety/drain valve:

- Switch off the freshwater pump.
- Open all water taps
- Then open the safety/drain valve by raising the yellow lever (M) to a vertical position.
- The heater will now drain directly below the vehicle through the safety/ drain valve hose. Check that all the water is emptied out (about 7-10 litres.) Leave the valve in the open position until the next time the heater is used.



Check that the automatic check valve (N) is open and is allowing air to enter the heater when it is being drained, and

that the hose (O) is not blocked.

The Heating Cartridges

All Compact 3010s are fitted with two 230V heating cartridges with a maximum output of 3150 W. Select the heating cartridge output on the control panel. Always check that the input fuse of the vehicle has the correct amperage in relation to the selected output. Note these ratings are for the boiler only. 1050 W requires a 6 amp fuse. 2100 W requires a 10 amp fuse. 3150 W requires a 16 amp fuse.

The Circulation Pump

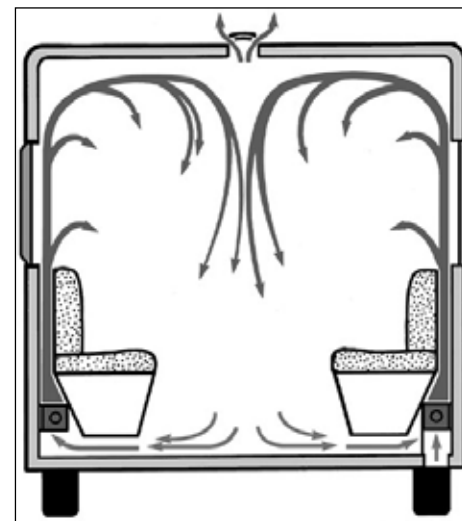
A circulation pump is required to circulate the heated glycol fluid. A 12V circulation pump is fitted in the boiler. Selection of the circulation pump, i.e. switches it on or off according to the amount of heat required. For normal operation pump speed 1 or 2 should be used. Higher pump speeds will cause premature failure. Speed setting 4 or 5 should only be used for short periods (2-5 minutes) to bleed the system after filling.

System Temperature

The boiler is set to a system temperature of 80°C, i.e. the temperature of the glycol fluid as it circulates in the heating system.

Air Circulation

In order to achieve the best possible result from the principle of connected heat, it is important to allow air to circulate freely under bunks, and behind backrests and wall-mounted cabinets. It is important that cushions or blankets do not interrupt the flow of air behind backrests and wall cabinets.



Maintaining the Heating System

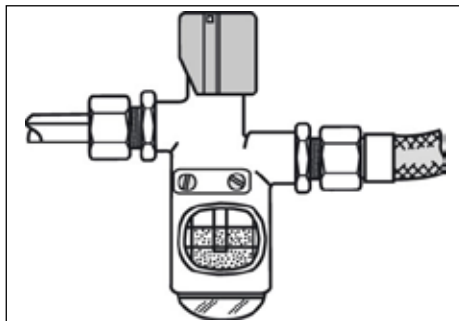
Winter Camping

Your vehicle is fitted with the Truma crash sensor regulator and hose that allows you to use your heating on gas whilst in transit. Without this type of hose you should never use the heating whilst in motion.

While camping during the winter, ensure that the flue is kept clear of snow and ice, since the inlet air to the LPG boiler enters through the flue. Do not start the LPG boiler until the flue is completely free of snow.

The LPG System

The LPG system should be checked regularly by a professional, who will ensure that there are no leaks from connections or hoses. LPG hoses should be changed according to national regulations, maximum of five years. Check the date stamp on the hose. Hose has a propensity to dry out and crack. To increase safety, we recommend fitting an Alde leak gauge, type 4071, as close as possible to the pressure reduction valve.



The Heating System

Regularly check the heating systems' fluid level in the expansion tank. The level should be about 1cm above the minimum indicator in a cold tank. The heating system should be filled with a mixture of water and glycol. For preference, use high quality ready mixed glycol (with inhibitor) intended for use in aluminium heating systems. If using concentrated glycol, the mixture should consist of 60% water and 40% glycol. If the heating system will be exposed to temperatures below -25°, the glycol content must be increased, but not more than

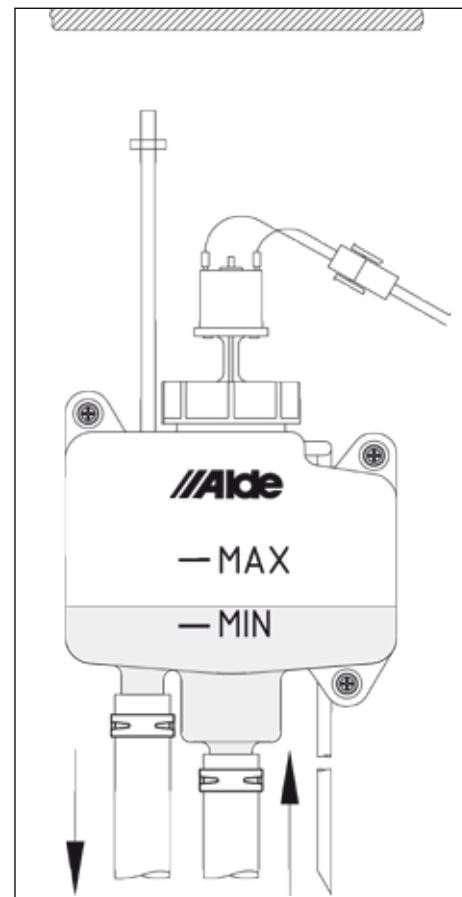
50%. Any vessels used for the liquid must be spotlessly clean, and the pipes in the heating system. The glycol mixture should be changed every second year, since its ability to protect against corrosion, for example, will deteriorate. The glycol content should be checked before topping up with new liquid. This will ensure that the concentration of glycol in the mixture is not too high. If the fluid level in the expansion tank falls for reasons other than evaporation, please check all joints, drain cocks and bleeder screws to ensure that they are not leaking. If the glycol- water mixture leaks out, rinse with water and wipe out. Never allow the heating system to stand empty of glycol.

Filling the System with Glycol Fluid.

For manual filling, unfasten the expansion tank nut (R) and slowly pour the glycol mixture into the tank. Bleed the system and top up with more liquid if the level has fallen after bleeding. Bleed a newly- filled system regularly during the first days the heating system is in operation.

Bleeding the System

Depending on how the pipes have been fitted, air pockets may form when the system is filled only with glycol fluid. A sign that there is air trapped in the system is that the heat released into the pipes only extends a metre or so from the boiler even though the circulation pump is operating. In newly filled systems, small air bubbles can form in the expansion tank, creating a murmuring sound. If the circulation pump is stopped after a few seconds, the bubbles will disappear.



FITTED EQUIPMENT- The Alde Heating System

Bleeding:

If a bleeder screw is fitted to the outgoing pipe, open this bleeder screw and leave it open until it starts to discharge water. Start the LPG boiler. The circulation pump should be switched off. To help the system to bleed quicker turn the pump up to 5. Open the remaining bleeder screws in the system. Leave the bleeder screws open until they start discharging fluid, and then close them. Start the circulation pump and let it run for a while. Check that the pipes and radiators around the vehicle are heating up.

If they fail to heat up try the following:

Single axle caravan: Stop the circulation pump. Lower the front of the caravan as far as possible. Leave it in this position for a few minutes to allow the air to travel upwards in the system. Open the bleeder screws at the highest point. Leave it open until it discharges glycol fluid. Raise the front of the caravan as high as possible and repeat the procedure in this position. Then position the caravan horizontally and start up the circulation pump. Check that the pipes and radiators around the vehicle are heating up.

Twin axle caravan: The easiest way to bleed the heating system is to place the vehicle on a sloping surface or to raise one end of the vehicle using a jack. Bleed the system as described above.

Troubleshooting:

The Boiler Does Not Start

- Check that the fuse spur is switched on.
- No LPG? Incorrect type for the conditions.
- Is the main tap fully open?

- If the boiler has not been operated for some time, or if the gas cylinder has been changed, it may take longer than normal to light the boiler.
- Check that the boiler is connected to the electricity supply (> 11V).
- Check that the fuse (T) for the boiler is intact.
- Check whether the electric connections to the boiler are securely in position.
- If none of the above helps, contact a service workshop

Instructions for use of the main control panel

Starting the Boiler.

- When the screen is blank both the control panel and the boiler are turned off.
- To start the boiler, press On/Off button and the start-up display is displayed. The boiler starts with the last selected setting.



From standby mode to setting menu

The background lights up when you press the screen or the MENU button. Start the setting menu by pressing the MENU button. The background lights up and those functions which can be set are displayed. The settings are automatically saved for 10 seconds. The control panel reverts to standby automatically after 30 seconds if no buttons are pressed (or if the MENU) button in the setting menu is pressed.)

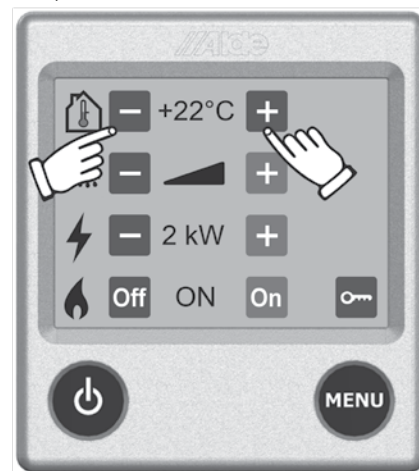
- The control panel in standby



- The control panel in setting menu



temperature is achieved.



Set the required temperature

The temperature can be set from +5°C to +30°C in steps of 0.5°C. Warm water is always available (50°C) when the boiler is on and running on LPG or electricity.

During summer, when only warm water is required, adjust the temperature setting to below the surrounding temperature so that the central heating pump does not start.

- The temperature displayed is the temperature which is set at present (in this case 22.0°C).
- Raise the temperature by pressing the + button. Lower the temperature by pressing the - button.
- The settings are ready and the central heating pump will work until the set

FITTED EQUIPMENT- The AIDE Heating System

Extra warm water

If you need more warm water, you can raise the water temperature temporarily from 50°C to 65°C.



After 30 minutes, the boiler reverts to normal operation. When you have selected more warm water the circulation pump stops.

- Increase the quantity of warm water by pressing the + button.
- The settings are ready.

If you wish to revert to the basic warm water settings before 30 minutes have expired.

- Reset the warm water by pressing the - button.
- The settings are ready.



Heating with electricity

Do as follows to active heating with electricity. The greater the power, the better the heating performance.

In choosing between electricity and gas, electricity is given priority.

- Start and step between the various



power steps (Off, 1kW, 2kW or 3kW) with the + button or - button. The set value is displayed on the screen. (Certain boilers are equipped with max 2 kW.)

- The settings are ready and the boiler is working at set temperature.
- To switch off the electrical operation, step with the - button to Off.

Heating with gas

Do as follows to activate heating with gas. If both electricity and gas are selected, electricity is given priority.

- Start the gas operation by pressing On (On is activated).
- The settings are ready and the boiler is working at set temperature.
- In order to switch off gas operation, press Off.

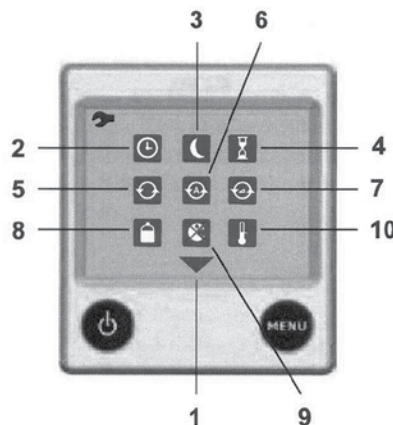


The tool menu - functions

When you are in the tool menu, you can use the tools described below. Step between the various tool fields by pressing the up or down arrow symbols. You can always leave the tool menu with the MENU button.



Functions marked with * indicate that the symbol for the function is displayed on the control panel even if the accessory is not installed!



1. Arrow symbols

Step between the various tool fields by pressing the up or down arrow symbols. You can always leave the tool menu with the MENU button.

2. Clock

The clock must be set if automatic night-time

FITTED EQUIPMENT- The Alde Heating System

mode or automatic start is to be used. If 12V voltage is lost, the clock will be reset and correct time will no longer be displayed. This is prevented with an optional AA battery backup.

3. Automatic night-time mode

This function is used when you want to programme the central heating to automatically lower the temperature at night and raise the temperature in the morning.

4. Starting the boiler automatically

This function is used to start the boiler automatically at a later point of time. With automatic start, the boiler works for 24 hours and then stops. After that, it repeats the automatic start once a week; at the same day and time, as long as the function is activated. For automatic start to function, the On/Off button must be set in the OFF position.

5. Constant pump operation

Cont.: With this function selected the pump is permanently on. (NB., this function limits the supply of hot water, particularly when there is a low heating requirement)

Therm: With this function selected the pump is controlled by the panel/room sensor. This is the normal operating mode for heating the vehicle and obtaining a normal supply of hot water. Factory setting is Therm.

6. *Pump Auto / 12V

In the Auto mode, the 230V pump operates, and when 230V is disconnected, the 12V pump starts. In 12V mode, the 12V pump is used even if 230V is connected. The Auto function is activated in the factory setting.

7. *Pump speed

The circulation pump's capacity can be remote controlled from the panel. **NOTE!** A pump with remote control must be installed in order that this function can be used (see the manual for the vehicle, boat or building).

8. *LPG bottle full/empty

This function is used in combination with the cylinder changeover (DuoComfort or DuoControl) and indicates if the LPG bottle is full or empty. This function can also be used to control defroster heating of the cylinder changeover using an EisEx defroster. **NOTE!** The cylinder changeover (DuoComfort or DuoControl) must be installed in order for this function to work (see the manual for the vehicle, boat or building).

9. Automatic anti-bacterial mode (legionella)

At 02.00 at night (if the clock is set) the boiler starts and works according to "Hot water boost" (see section 5). This is in order to reduce the risk of legionella. The function is deactivated in the factory setting.

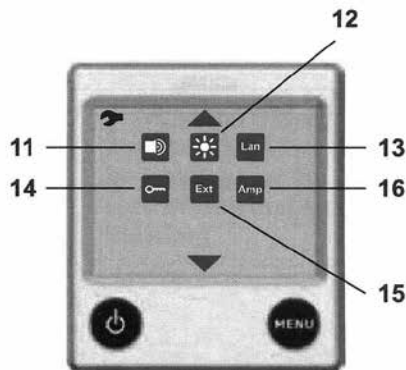
10. Offset (temperature adjustment)

Using this function, you can calibrate the temperature on the panel if you notice that the temperature (the stabilised room temperature) is not the same as the temperature shown on the panel. This also applies to outdoor temperature.

11. Button sound

With this function, you can activate or deactivate the button sound.

The button sound is activated in the factory setting.



12. Screen Brightness

Brightness: The brightness of the display (working mode) can be adjusted from 1 to 10. Factory setting is 5.

Standby brightness:

Off: Used to turn the display's backlighting off so that the display is turned off (becomes dark) in standby mode (the LED is still active).

On: Used to activate the backlighting in the display (low lighting) in standby mode (the LED is still active). Factory setting is On.

13. Language

This function is used to reset the screen between different languages. Available languages are: English, French and German. On the other hand, the service menu is only in English (see section 10.1).

14. Tools / Key

Under Tools / Key you can lock or unlock access to the tool menu.

15. *External start

This function is used when starting the boiler from the outside, for example, with GSM. When external start has been activated, the control panel's On/Off button must be switched off (see the assembly setting manual for external start). **NOTE!** To use this function, an external start installation is required (see the manual for the vehicle, boat or building).

*230 V

This function is used in connection with starting the boiler when connection of 230 V to vehicle takes place from outside. When the 230 V function has been activated the control panel's on/off button must be turned off, but 12 V must be connected (the vehicle's main switch is on). Before turning off the control panel with the on-/off button set the parameters/functions that you want the boiler to have when it starts (230 V is connected).

16. *Load monitor

This function is used to prevent the 230V fuses being overloaded. If the total power consumption of the vehicle, boat or building exceeds the set value, the boiler's power will be automatically reduced. On account of voltage variations and tolerances, different setting levels can be selected (for example, for 6A fuse, one can choose 6 or 7 Amp setting). If the fuse does not hold, choose a lower set value. The function is deactivated in the factory setting. **NOTE!** The load monitor has

to be installed for the function to be used (see the manual for the vehicle, boat or building).

Fault messages



If an error occurs in the system, the display will show the reason. This is only displayed when the panel is on standby.

Battery too low: If the vehicle, boat or building has a battery voltage of less than 10.5V, the boiler stops. It is automatically reset when the voltage reaches 11V.

Fan failure: Faulty fan speed. In order to reset, disconnect 12V from the boiler and reconnect (automatic reset after 5 minutes).

Gas failure: Gas finished. Reset by switching off and restarting the boiler in accordance with item 1.

Overheat red fail: Overheating protection (red cable) triggered. To reset, disconnect 12V from the boiler and reconnect.

FITTED EQUIPMENT- The Alde Heating System

Overheat blue fail: Overheating protection (blue cable) triggered. To reset, disconnect 12V from the boiler and reconnect.

Window open: Window open, the boiler stops for gas. Gas operation in the boiler starts again when the window is closed. The electrical operation remains in function. Check the vehicle, boat or building manual to see whether this function is installed.

Connection failure: There is a connection fault between boiler and panel.

To reset, disconnect 12V from the boiler and reconnect.

CAPRICE COOKER


Never use the Cooker as a space heater.



Before using the appliance please ensure that you are aware of the following:

- Appliance and accessible parts become hot during use.
- Avoid touching heating elements.
- Children less than 8 years of age shall be kept away unless continuously supervised.
- This appliance can be used by children aged from 8 years and above, persons with reduced physical, sensory or mental capabilities and/or lack of experience and knowledge only if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Unattended cooking on a hob with fat or oil can be dangerous and may result in fire.
- Never extinguish a fire with water, switch off the appliance and cover flame with lid or fire blanket.
- Danger of Fire: Do not store items on the cooking surface.
- Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.
- Never use a steam cleaner to clean appliance.

Operation

The burners on this appliance have fixed aeration and no adjustment is required. The burners should flame as follows:-

Propane - The flames should burn quietly with a blue/green colour with no sign of yellow tips.
Butane - Normally on initial lighting, a small amount of yellow tipping will occur. This then increases slightly as the burner heats up


Using the Hotplate Gas Burners


Ensure that the glass lid is open before turning on the burners

Glass lids may shatter when heated. Turn off all burners before shutting the lid.

The Glass lid has a tendency to snap shut towards the lowered position. Make sure all fingers are removed from appliance when closing lid.

Remove all spillages from the glass lid before opening.

Children should be supervised to ensure that they do not play with the appliance.

1. Ensure gas cylinder/supply is connected and turned on. In the event of a gas smell turn off at gas cylinder/mains and contact supplier.
2. Flame supervision: Each burner is controlled individually and is monitored by a thermocouple probe. In the event of the burner flames being accidentally extinguished, turn off the burner control and do not attempt to re-ignite the burner for at least one minute.
3. To light: Push in the control knob and turn to full rate - large flame . Light the hob

by depressing the ignition button, which is located on the fascia. It is necessary to hold the knob depressed after the burner has ignited for approximately 10 - 15 seconds, to allow the thermocouple probe to reach temperature, before releasing the knob. Should the flame go out when the knob is released, the procedure should be repeated holding the knob depressed for slightly longer.

4. If the burner has not lit within 15 seconds the control knob should be released and the burner left for at least 1 minute before a further attempt to ignite the burner.
 5. For simmering, turn the knob further anti-clockwise to the low rate position.
 6. To turn off: Turn the control knob until the line on the control knob is aligned with the dot on the control panel. Always make sure the control knob is in the off position when you have finished using the hotplate burners
- Each burner will support pans from Ø10 to Ø22cm; care should be taken not to overload the appliance as performance may be reduced.
 - The following pan sizes are the maximum we recommend:-
 - Electric Hotplate: - Ø180mm (Dual Fuel only)
 - Auxiliary Burner: - Ø200mm
 - Semi-Rapid Burner: - 2x Ø200mm or 1x Ø220mm with 1x Ø180mm
 - When using small pans the flames should not spread beyond the base of the pan as this will reduce the efficiency of the burner.
 - Avoid old or misshapen pans as these may

cause instability.

- The lid must be opened fully prior to using the hotplate burners.

Using the Electric Hotplate (Dual Fuel Models)

Ensure power is switched on. The hotplate control is numbered from 1 to 6. To turn it on, rotate the knob either clockwise or anti-clockwise to the required position. Position 1 is the coolest setting. To turn off, rotate the knob until the line or pointer on the knob lines up with the zero on the control panel.

The hotplate is a sealed construction and transfers heat through conduction. For maximum efficiency a correctly sized pan with a flat heavy gauge base should be used. Pan size should be the same or slightly larger (up to 1" / 2.5cm oversize).

Before using your hotplate for the first time, we recommend that you prime and season it.


To prime the Hotplate

Switch on the hotplate for a short period, without a pan, to harden and burn off the coating. Use a medium to high setting for 3 - 5 minutes. A non toxic smoke may occur during this process. Allow it to cool, then season.

To season the Hotplate

First heat the hotplate for 30 seconds on a medium setting, and then switch off. Pour a minimal amount of unsalted vegetable oil onto a clean dry cloth or paper towel, and apply a thin coat of oil to the hotplate surface. Wipe off any excess oil, then heat the hotplate on a medium setting for 1 minute. Occasional seasoning will help to maintain the Hotplate's appearance.

Using the Grill

1. Ensure gas cylinder/supply is connected and turned on. In the event of a gas smell turn off at gas cylinder/mains and contact supplier.
2. To light: Open door, push in the control knob and turn to full rate- large flame (). Hold a lighted match or taper to the burner and push the control knob in and hold. The burner should ignite and the control knob should be held in for 10 -15 seconds before release. If the burner goes out, repeat procedure holding control knob for slightly longer.
3. For models fitted with Spark Ignition the procedure is similar except that the burner can be ignited by depressing the ignition button, which is located on the fascia. Ignition must be carried out with the door open, and if the burner has not lit within 15 seconds the control knob should be released and the grill left for at least 1 minute before a further attempt to ignite the burner.
4. Note: the grill must only be used with the door open.
5. On first use of the grill, it should be heated for about 20 minutes to eliminate any residual factory lubricants that might impart unpleasant smells to the food being cooked. A non-toxic smoke may occur when using for the first time so open any windows and turn on mechanical ventilators to help remove the smoke.
6. Although the grill does heat up quickly, a few minutes preheat is recommended.

FITTED EQUIPMENT- The Caprice Cooker

7. Flame Failure Device (FFD): the grill burner is fitted with a flame sensing probe, which will automatically cut off the gas supply in the event of the flame going out. In the event of the burner flames being accidentally extinguished, turn off the burner control and do not attempt to re-ignite the burner for at least one minute. It is normal for the flames on this burner to develop yellow tips as it heats up.
8. A reversible grill pan trivet enables the correct grilling height to be achieved. Fast Toasting -position trivet high Grilling Sausages -position trivet high Grilling Steak/Bacon-position trivet high Grilling Chops etc -position trivet low Slow Grilling -remove the trivet
9. To turn off: turn the control knob until the line on the control knob is aligned with the dot on the control panel. Always make sure the control knob is in the off position when you have finished grilling.



The Grill area can get hot when the oven is in use, even if the grill is switched off. Care should be taken when removing pans from the grill, i.e. use of oven gloves, and by making use of the removal grill pan handle.

The grill pan supplied is multi functional, for use in grill or oven. The handle design allows removal or insertion whilst the pan is in use.



Always remove the handle when the pan is in use. The grill MUST only be used with the door open.

Using the Oven

1. Ensure gas cylinder/supply is connected and turned on. In the event of a gas smell turn off at gas cylinder/mains and contact supplier.
2. To light: Open door, push in the control knob and turn to full rate (240°C). Hold a lighted match or taper to the burner and push the control knob in and hold. The burner should ignite and the control knob should be held in for 10 -15 seconds before release. If the burner goes out, repeat procedure holding control knob for slightly longer.
3. For models fitted with Spark Ignition the procedure is similar except that the burner can be ignited by depressing the ignition button, which is located on the fascia. Ignition must be carried out with the door open, and if the burner has not lit within 15 seconds the control knob should be released and the oven left for at least 1 minute before a further attempt to ignite the burner.
4. Place the oven shelf in the required position and close the door.
5. Set the control knob to required temperature. Although the oven heats up quickly, it is recommended that a 10 minute preheat be allowed. The oven should be up to full temperature in about 15-20mins.
6. To turn off: turn the control knob until the line on the control knob is aligned with the dot on the control panel.
7. Shelf: the shelf has been designed to allow good circulation at the rear of the oven and is also fitted with a raised bar

to prevent trays or dishes making contact with the back of the oven. To remove a shelf, pull forward until it stops, raise at front and remove. Installation of a shelf is a reverse of this procedure



Before first use, heat the oven for about 30 minutes at 200°C, to eliminate any residual factory lubricants that might impart unpleasant smells to the meals being cooked. A non-toxic smoke may occur when using for the first time so open any windows and turn on mechanical ventilators to help remove the smoke.

Always ensure food is properly cooked prior to serving.

Oven Temperature Control

The temperature in the oven is controlled by a thermostatic gas tap and is variable over the range 130°C to 240°C. Approximate temperatures for the settings on the control knob are shown in the table below. The temperatures indicated refer to the centre of the oven and at any particular setting the oven will be hotter at the top and cooler towards the base.

The variation between top and centre, and centre to bottom is approximately equivalent to one gas mark. Good use can be made of the temperature variation in several dishes requiring different temperatures may be cooked at the same time. In this way maximum benefit can be obtained from the gas used to heat the oven. Care should be taken not to overload the oven, adequate spacing being used to allow free circulation for heat.

Cooking Guidelines

Best results will be obtained by using the

shelf positions in this guide. Although the oven heats up quickly, it is recommended a 10 minute preheat be allowed. The oven should reach full temperature in 15-20 minutes.

Most cookery books give details of the shelf positions and gas mark settings for each recipe. If in doubt about a recipe you intend to use, study the recipe carefully then find a similar dish in our guide below and use our shelf position and gas mark setting recommendation. Shelf positions are from the top down. When roasting with aluminium foil care must be taken that the foil does not impair circulation or block the oven flue outlet.

Do's and Don'ts

DO Read the user instructions carefully before using the appliance for the first time.

DO Allow the oven to heat before using for the first time, in order to expel any smells before the introduction of food.

DO Clean the appliance regularly

DO Remove spills as soon as they occur.

DO Always use oven gloves when removing food shelves and trays from the oven.

DO Check that controls are in the off position when finished.

DO NOT Allow children near the cooker when in use. Turn pan handles away from the front so that they cannot be caught accidentally.

DO NOT Allow fats or oils to build up in the oven trays or base.

DO NOT Use abrasive cleaners or powders that will scratch the surface of the appliance.

DO NOT Under any circumstances use the oven as a space heater.

DO NOT Put heavy objects onto open grill and oven doors.

Gas Mark	Temperature (Centre of Oven)			Dish
	265-275°F	130-135°C		
¼ - ½			Very cool	Meringues
1	285	140	Cool	Stewed fruit
2	300	150	Cool	Rich fruit cake, rice pudding
3	330	165	Warm	Baked custard, shortbread fingers
4	355	180	Moderate	Victoria sandwich
5	385	195	Fairly hot	Whisked sponges, ginger nuts
6	410	210	Hot	Short crust pastry
7	430	220	Hot	Bread, scones, flaky pastry
8	445	230	Very hot	Puff pastry
9	465	240	Very hot	Quick browning

Leaks

If a smell of gas becomes apparent, the supply should be turned off at the cylinder IMMEDIATELY.

- Extinguish naked lights including cigarettes and pipes.
- Do not operate electrical switches.
- Open all doors and windows to disperse any gas escape.
- Never check for leaks with a naked flame, leak investigation should be carried out using a leak detector spray.
- Check the gas is not escaping from an unlighted appliance

Maintenance

This appliance needs little maintenance other than cleaning. After the unit has cooled all parts should be cleaned using warm soapy water. Do not use abrasive cleaners, steel wool or cleansing powders. When cleaning the burner ring it is essential to ensure that the holes do not become blocked. The control knobs are a push fit and can be removed for cleaning. They are interchangeable without affecting the sense of operation.

Service

The Caprice cooker must be serviced at least once every 12 months. All servicing must be carried out by an approved competent person. Before any service work is started, the appliance should have been left to cool and be disconnected at the mains socket. After each service the appliance must be checked for gas soundness.

For service, please contact your authorised local Service Agent giving details of the model and serial number on the data badge plus date of purchase.

Operating Instructions

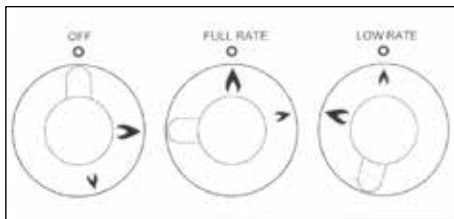
- Ensure that the gas cylinder is turned on
- In the event of a gas smell turn off at the cylinder and contact your Thetford.
- The use of a gas cooking appliance results in the production of heat and moisture in the room in which it is installed. Ensure that the kitchen is well ventilated, keep natural ventilation holes open or install a mechanical ventilation device (mechanical extractor hood.)
- Prolonged intensive use of the appliance may call for additional ventilation, for example opening a window, or more effective ventilation, for example increasing the level of mechanical ventilation where present.

**The Linear Hob
Hotplate Burners.**

- Glass lids may shatter when heated. Turn off all burners before shutting the lid.
- The glass lid has a tendency to snap shut towards the lowered position. Make sure that all fingers are removed from the appliance when closing the lid.



Each burner is controlled individually and is monitored by a flame supervision device. In the event of the burner flames being accidentally extinguished, turn off the burner control and do not attempt to re-ignite the burner for at least one minute. The respective knob positions are shown.



To light the burner, press in and turn the knob anti-clockwise to the full rate position and press the ignition button located on the front of the oven control fascia. It is necessary to hold the knob depressed during ignition and for approximately 15 seconds after the burner has lit to allow the probe to reach temperature. Should the flame go out when the knob is released, the procedure should be repeated holding the knob depressed for slightly longer.

For simmering, turn the knob further anti-clockwise to the low rate position. To turn the

burner off, rotate knob fully clockwise until the line on the knob lines up with the dot on the control panel. The burners on this appliance have fixed aeration and no adjustment is required. Depending on the gas being used, the burners should flame as follows:

Propane: The flames should burn quietly with a blue/green colour with no signs of yellow tips.

Butane: Normally on initial lighting, a small amount of yellow tipping will occur and the slightly increases as the burner heats up.

Care should be taken not to overload the appliance as reduced performance may result.

When using small pans, the flames should not spread beyond the base of the pan as this will reduce the efficiency of the burner.



The Midi Oven and Grill

- Accessible parts may be hot when the grill is used! Young children should be kept away
- The heat deflector below the fascia is positioned in the out position to avoid heat deflection to the knobs during grilling
- Whilst the grill is operating never adjust the deflector without using hand protection.
- Only use the grill with the door open and always remove the handle from the pan when in use.
- Ensure Gas cylinder/supply is connected and turned on. In the event of a gas smell turn off at the gas cylinder/mains and contact supplier.
- Remove all accessories and packing that may be in the grill including any plastic coating that may be protecting the grill cavity surfaces. Clean the interior before using it for the first time, use soap and water and rinse carefully.
- To light: open the door, push in the control knob and turn to full rate. Press down the ignition button located on the oven fascia. It is necessary to hold the knob for approximately 15 seconds before release. If the burner goes out, repeat the procedure holding the control knob for slightly longer.



Ignition must be carried out with the door open.

- On first use of the grill, it should be heated for about 20 minutes to eliminate any

residual factory lubricants that might impart unpleasant smells to the food being cooked. A non-toxic smoke may occur when using for the first time so open any windows and rooflights to remove the smoke.

- Although the grill heats up quickly, it is recommended that a few minutes preheat be allowed.
- Flame Failure Device (FFD): the grill burner is fitted with a flame sensing probe which will automatically cut off the gas supply in the event of the flame going out. In the event of the burner flames being accidentally extinguished, turn off the burner control and do not attempt to re-ignite the burner for at least one minute.
- It is normal for the flames on this burner to develop yellow tips as it heats up, particularly on Butane.
- Variation in cooking can be achieved by using the control knob to regulate the heat setting. In addition, the grill pan trivet can be reversed or removed to give a greater choice of grilling height. Always use the highest trivet position for fast toasting.
- To turn off: turn the knob until the line on the control knob is aligned with the dot on the control panel. Always make sure that the control knob is aligned with the dot on the fascia. Always make sure that the control knob is in the off position when you have finished grilling.

Oven

- Ensure the gas cylinder is connected and turned on. In the event of a gas smell turn off the gas at the cylinder and contact Thetford.
- Remove all accessories and packing that may be in the Oven and clean the interior before using it for the first time
- TO LIGHT: Open door, push in the control knob and turn to gas mark 9. Depress the ignition button located on the fascia. Ignition must be carried out with the door open, and if the burner has not lit within 15 seconds the control knob should be released and the oven left open for at least 1 minute before further attempt to ignite the burner.
- Place the oven shelf in the required position and close the door. Set the control knob to approximately gas mark 5 and heat the oven for about 30 minutes to eliminate any residual factory lubricants that might impart unpleasant smells to the meals being cooked.
- Although the oven does heat up quickly, it is recommended a 10 minute preheat be allowed. The oven should reach full temperature in about 15-20 minutes.
- To turn off: turn the control knob until the dot on the control knob is aligned with the dot on the fascia.
- Flame Failure Device: the oven burner is fitted with a flame sensing probe which will automatically cut off the gas supply in the event of the flame going out.
- Oven shelf: The oven shelf is designed to allow good circulation at the rear of the oven and is fitted with a raised bar to

FITTED EQUIPMENT- The Country Leisure Appliances

prevent trays or dishes making contact with the back of the oven. Additional shelves are available through your Retailer.

Temperature Control

The temperature control in the oven is controlled by a thermostatic gas tap and is variable over the range 130c to 240c. Approximate temperatures for the settings on the control knob are shown in the table below. The temperatures indicated refer to the

centre of the oven and at any particular setting the oven will be hotter at the top and cooler towards the base. The variation between top and bottom is approximately equivalent to one gas mark. Good use can be made of the temperature variation in that several dishes requiring different temperatures may be cooked at the same time. In this way maximum benefit can be obtained from the gas used to heat the oven. Care should be taken not to overload the oven, adequate spacing being

used to allow free circulation of heat.

Gas Mark	Temperature (Centre of Oven)			Dish
¼ - ½	265-275°F	130-135°C	Very cool	Meringues
1	285	140	Cool	Stewed fruit
2	300	150	Cool	Rich fruit cake, rice pudding
3	330	165	Warm	Baked custard, shortbread fingers
4	355	180	Moderate	Victoria sandwich
5	385	195	Fairly hot	Whisked sponges, ginger nuts
6	410	210	Hot	Short crust pastry
7	430	220	Hot	Bread, scones, flaky pastry
8	445	230	Very hot	Puff pastry
9	465	240	Very hot	Quick browning

Cooking Guidelines



The pan supplied with the appliance is multi functional, for use with the grill and the oven. Always remove the handle when in use.

Best results will be obtained by using the shelf recommendations from the recipe. It is not necessary to preheat the oven but advisable for a range of dishes. The oven is capable of full temperature in 15-20 minutes.

Most cookery books give details of the shelf positions and gas mark settings for each recipe. If in doubt about a recipe you intend to use, study the recipe carefully and then find a similar dish in the guide and use the recommended gas mark. When roasting with Aluminium tinned foil care must be taken that the foil does not impair circulation or block the oven flue outlet.

Do's and Don'ts

DO read the user instructions carefully before using the appliance for the first time.

DO allow the oven to heat before using for the first time, in order to expel any smells before the introduction of food.

DO clean the appliance regularly

DO remove spills as soon as they occur

DO always use oven gloves when removing food shelves and trays from the oven

DO check that controls are in the off position when finished

DO NOT allow children near the cooker when in use. Turn pan handles away from the front so that they cannot be caught accidentally.

DO NOT allow fats or oils to build up in the oven trays or base

DO NOT use abrasive cleaners or powders that will scratch the surfaces of the hotplate and oven

Do Not allow the door to fall down, lower it by hand.

DO NOT under any circumstances use the oven as a space heater



- Ensure that the ceramic ball mixer tap arm is clear from the oven lid before raising it. Failure to do so could accidentally switch on the tap when lifting the glass lid.

Maintenance and Servicing

This appliance needs little maintenance other than cleaning. All parts should be cleaned using warm soapy water. Do not use abrasive cleaners, steel wool or cleansing powders. When cleaning the burner ring it is essential to ensure that the holes do not become blocked. The control knobs are a push fit and can be removed for cleaning. They are interchangeable without affecting the sense of operation.



All servicing must be carried out by an approved competent person. After every service the appliance must be checked for gas soundness.

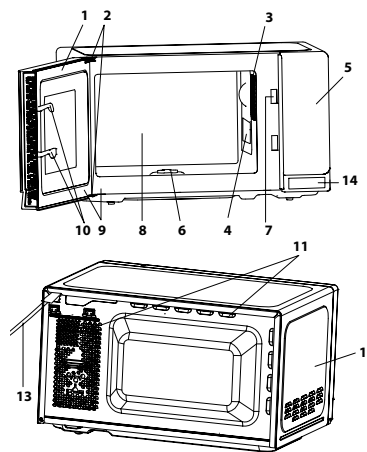
FITTED EQUIPMENT- The Sharp Microwave Cooker



- Precautions to avoid possible exposure to excessive microwave energy
- Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to remove or tamper with the safety interlocks.
- Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person: (1) door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- It is hazardous for anyone other than a competent person to carry out any service or repair operation which involves the removal of a cover which gives protection against exposure to microwave energy.
- Liquids or other foods must not be heated in sealed containers since they are liable to explode.
- The appliance is not intended for use by

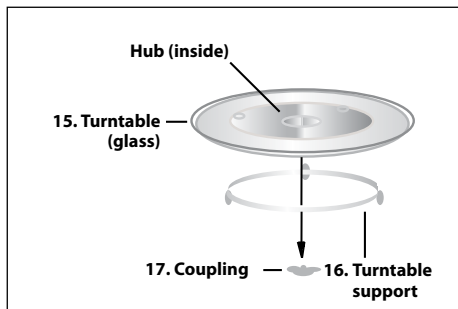
young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

- Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.



Oven

1. Door
2. Door hinges
3. Oven Lamp
4. Waveguide cover (DO NOT REMOVE)
5. Control panel
6. Coupling
7. Door Latches
8. Oven Cavity
9. Door seals and sealing surfaces
10. Door safety latches
11. Ventilation openings
12. Outer Cabinet
13. Power supply Cord
14. Door Opening Button



Accessories:

Check to make sure the following accessories are provided:

(15) Turntable (16) Turntable support (17) Coupling

Place the turntable support in the centre of the oven floor so that it can freely rotate around the coupling. Then place the turntable support so that it locates firmly into the coupling.

To avoid turntable damage, ensure dishes and containers are lifted clear of the turntable rim when removing them from the oven.

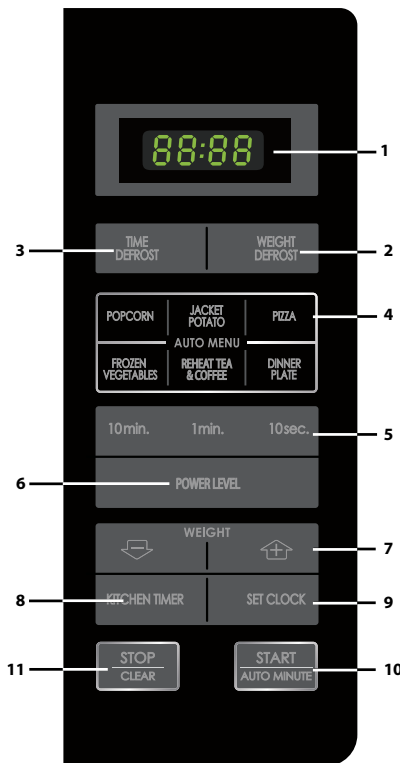


The waveguide cover is fragile and as such care should be taken when cleaning inside the oven to ensure that it is not damaged.

Always operate the oven with the turntable and turntable support fitted correctly. This promotes thorough, even cooking. A badly fitted turntable may rattle, may not rotate correctly and could cause damage to the oven. All food and containers of food are always placed on the turntable for cooking

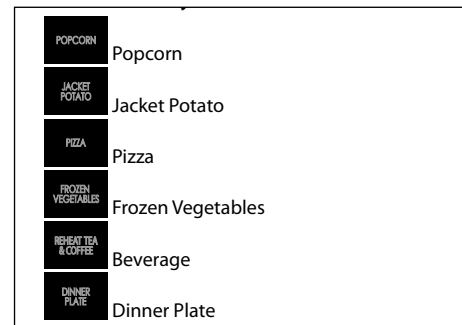
The turntable rotates clockwise. The rotary

direction may change each time you start the oven. This does not affect cooking performance.



1.
2.

DIGITAL DISPLAY
WEIGHT DEFROST key



3. **TIME DEFROST key**
4. **AUTO MENU Keys**
5. **TIME Keys**
6. **POWER LEVEL Key:**
Press to select microwave power level.
7. **WEIGHT keys (up and down)**
8. **KITCHEN TIMER key**
Press to use as a minute timer, or to programme standing time.
9. **SET CLOCK key**
10. **START/ AUTO MINUTE key**
11. **STOP/CLEAR key**

Setting the Clock

Your oven has a 24 hour clock, this will loose time each time the motorhome is disconnected from 230v power.

1. Press the SET CLOCK key once and "0:00" will flash
2. Press the time keys and enter the current time. Enter the hours by pressing the 10min. key and enter the minutes by pressing 1 min. and 10 sec. keys.
3. Press the SET CLOCK key to finish clock setting.

MANUAL OPERATION

To open the oven door, push the door opening button.

Starting the oven

Prepare and place the food in a suitable container onto the turntable or place directly onto the turntable. Close the door and press the **START/AUTO MINUTE** key after selecting the desired cooking mode.

Once the cooking programme has been set and the **START/AUTO MINUTE** key is not pressed in 1 minute, the setting will be cancelled.

The **START/AUTO MINUTE** key must be pressed to continue cooking if the door is opened during cooking. The audible signal sounds once by efficient press, inefficient press will be no response. Use the **STOP/CLEAR** key to:

- Erase a mistake during programming
- Stop the oven temporarily during cooking.
- Cancel a programme during cooking, press the **STOP/CLEAR** key twice.

Programs

MANUAL COOKING/ MANUAL DEFROSTING

- Enter the cooking time and use microwave power levels 100P to 10P to cook or defrost
- Stir or turn the food, where possible 2-3 times during cooking
- After cooking, cover the food and leave to stand, where recommended.
- After defrosting, cover the food in foil and leave to stand until thoroughly defrosted.

EXAMPLE

To cook 2 minutes and 30 seconds on 70% microwave power.

- In put the power level by pressing the

POWER LEVEL key 4 times for 70P

- Enter the cooking time by pressing the 1min key twice and then the **10 sec** key 3 times
- Press the **START/AUTO MINUTE** key to start the timer (The display will count down through the set cooking/ defrosting time.)



- When the oven starts, the oven lamp will light and the turntable will rotate clockwise or anticlockwise.
- If the door is opened during cooking/ defrosting to stir or to turn over food, the cooking time on the display stops automatically. The cooking/ defrosting time starts to count down again when the door is closed and the **START/AUTO MINUTE** key is pressed.
- When cooking/defrosting is complete, open the door or press **STOP/CLEAR** key and the time of day will reappear on the display, if the clock has been set.
- If you wish to know the power level during cooking, press the **POWER LEVEL** key. As long as your finger is touching the **POWER LEVEL** key, the power level will be displayed.

IMPORTANT

- Close the door after cooking / defrosting. Please note that the light will remain on when the door is open, this is for safety reasons to remind you to close the door.
- If you cooked the food over the standard time with only 100P, the power of the oven will lower automatically to avoid overheating (The microwave power level

will be reduced.)

Cooking Mode	Standard Time
Microwave 100P	30 minutes

Other Convenient Functions

SEQUENCE COOKING

This function allows you to cook using up to 2 different stages which can include manual cooking time and mode and/or time defrost as well as weight defrost function. Once programmed there is no need to interfere with the cooking operation as the oven will automatically move onto the next stage. If one stage is defrosting, it should be the first stage.

Note: Auto menu cannot be set as one of the multiple sequences.

Example: If you would like to defrost the food for 5 minutes, then cook with 80P microwave power for 7 minutes. The steps are as follows:

1. Press the **TIME DEFROST** key once, in the LED display will appear dEF2.
2. Enter the cooking time by pressing the **1min.** key 5 times.
3. Input the power level (80P) by pressing the **POWER LEVEL** key 3 times.
4. Enter the cooking time by pressing the **1 min.** key 7 times.
5. Press the **START/AUTO MINUTE** key once to start cooking.

AUTO MINUTE FUNCTION

The **START/AUTO MINUTE** key allows you to operate the two following functions:

1. **Direct Start**

You can automatically start cooking on 100P microwave power level for 1 minute by pressing the **AUTO MINUTE** key.

2. Extend the cooking time

You can extend the cooking time during manual cooking, time defrost and auto menu operation in multiples of 1 minute if the **START/AUTO MINUTE** key is pressed while the oven is in operation. During the weight defrost, the cooking time cannot be increased by pressing the **START/AUTO MINUTE** Key.

To cook/defrost food in a microwave oven, the microwave energy must be able to pass through the container to penetrate the food. Therefore it is important to choose suitable cookware.

Round/oval dishes are preferable to square/oblong ones, as the food in the corners tends to overcook. A variety of cookware can be used as listed on page 58.

CLEANING TIP: For easier cleaning of your oven.

Place half a lemon in a bowl, add 300ml (1/2 pint) water and heat on 100% for 10-12 minutes. Wipe the oven clean using a soft, dry cloth.

TROUBLESHOOTING

Keep the power supply cord away from heated surface. If you think that the oven is not working properly there are some simple checks you can carry out yourself before calling an engineer. This will help prevent unnecessary service calls if the fault is something simple.

Follow this simple check below: Place half a cup of water on the turntable and close the door. Programme the oven to cook for 1 minute using 100% microwave power

1. Does the lamp come on when cooking?
2. Does the turntable rotate?
3. Does the cooling fan work? (check by placing hand above the air vent openings.)
4. After 1 minute does the audible signal sound?
5. Is the water in the cup hot?
6. After 3 minutes, does the grill heating element become red?

If you answered NO to any question first check that the oven is plugged in properly and the fuse has not blown. If there is no fault with either, check against the troubleshooting chart.

Notes:

- The door seal stops microwave leakage during oven operation, but does not form an airtight seal. It is normal to see drops of water, light or feel warm air around the oven door. Food with a high moisture content will release steam and cause condensation inside the door which may drip from the oven.
- **Repairs and modifications:** Do not attempt

FITTED EQUIPMENT- The Sharp Microwave Cooker

to operate the oven if it is not working properly.

- **Outer Cabinet and Lamp Access:** Never remove the outer cabinet. This is very dangerous due to high voltage parts inside which may never be touched. Your oven is not fitted with a lamp access cover. If your lamp fails, do not attempt to replace the lamp yourself, call a SHARP approved service facility.

FITTED EQUIPMENT- The Sharp Microwave Cooker

Cookware	Microwave Safe	Comments
Aluminium Foil Foil Containers	✓/x	Small pieces of aluminium foil can be used to shield food from overheating. Keep foil at least 2cm from the oven walls, as arcing may occur Foil containers are not recommended unless specified by the manufacturer, e.g. Microfoil, follow instructions carefully
Browning Dishes	✓	Always follow the manufacturers instructions. Do not exceed heating times given. Be very careful as these dishes become very hot.
China and Ceramics	✓/x	Porcelain, pottery, glazed earthenware and bone china are usually suitable, except for those with metallic decoration.
Glassware e.g. Pyrex	✓	Care should be taken if using fine glassware as it can break or crack if heated suddenly.
Metal	x	It is not recommended to use metal cookware as it will arc, which can lead to fire.
Plastic/ Polystyrene e.g fast food containers	✓	Care must be taken as some containers warp, melt or discolour at high temperatures
Cling film	✓	It should not touch the food and must be pierced to let steam escape
Freezer/Roasting Bags	✓	Must be pierced to let steam escape. Ensure bags are suitable for microwave use.
Paper Plates cups and Kitchen paper	✓	Do not use plastic or metal ties, as they may melt or catch fire due to the metal arcing.
Straw and wooden containers	✓	Only use for warming or to absorb moisture. Care must be taken as overheating can cause fire
Recycled paper and newspaper	x	Always attend the oven when using these materials as overheating may cause fire. May contain extracts of metal which will cause arcing and may lead to fire



When heating food in plastic or paper containers, monitor the oven due to the possibility of ignition.

TROUBLESHOOTING CHART

Query	Answer
Draught circulates around the door	When the oven is working, air circulates within the cavity. The door does not form an airtight seal so air may escape from the door.
Condensation forms in the oven, and may drip from the door.	The oven cavity will normally be colder than the food being cooked, and so steam produced when cooking will condense on the colder surface. The amount of steam produced depends on the water content of the food being cooked. Some foods, such as potatoes have a high moisture content. Condensation trapped in the door glass should clear after a few hours.
Flashing or arcing from within the cavity when cooking.	Arcing will occur when a metallic object comes into close proximity to the oven cavity during cooking. This may possibly roughen the surface of the cavity, but would not otherwise damage the oven.
Arching potatoes	Ensure all "eyes" are removed from the potatoes and that they have been pierced, place directly onto the turntable or in a heat resistant flan dish or similar.
The display is lit but the control panel will not work when pressed	Check that the door is closed properly
Oven cooks too slowly	Ensure correct power level has been selected
Oven makes a noise	The microwave energy pulses ON and OFF during cooking/thawing
Outer cabinet is hot	The cabinet may become warm to the touch- keep children away.

FITTED EQUIPMENT- Refrigerators



Winter Operation - Domestic Refrigerators

Please check that the ventilation grilles or the flue outlets are not blocked by snow, leaves etc.

Domestic Refrigerator Model RM8550/ RMS8550/ RM8500/ RM8400

Cleaning

Before starting up the refrigerator, it is recommended to clean inside and repeat this at regular intervals. Using a soft cloth and lukewarm water with a mild detergent. Then wipe out the appliance with clean water and dry thoroughly.



To avoid deterioration of materials:

Do not use soap or hard, abrasive or soda-based cleaning agents.

Do not allow the door seal to come into contact with oil or grease.

Operating modes and use of the refrigerator:

Operation mode and use of the refrigerator



This refrigerator is equipped to operate on three power modes: AC mains power (230V) 12V DC or gas (propane/butane liquid gas)

Select the desired power mode by the energy selector switch

The cooling unit is silent in operation.

The refrigerator works reliably on slopes of up to 6 degrees (5 degrees with models starting from 140 litres capacity.)

When the appliance is started for the

first time, there may be a mild odour which will disappear after a few hours. Air the living space thoroughly.

The refrigerator will take several hours to reach its operating temperature in the cooling compartment.

Control elements of energy selections (BATTERY IGNITER)

Handbook energy selection/ handbook ignition (RM8xx0) battery igniter

Explanation:



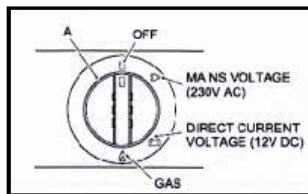
The refrigerator is equipped to operate on mains power, 12V DC or liquefied gas. Select the desired power supply by turning the energy selector switch A. The energy selector switch A has four settings: OFF, AC mains voltage, DC (battery) gas.

Electrical operation

Appliances with battery igniter (handbook energy selection)

Electrical Operation

Switch on the appliance by turning the energy



selection switch a clockwise to position:

In order to prevent discharge of the on-board battery, 12V operation should only be used while the motor is running.

Gas Operation (Liquid Gas)



The refrigerator must be operated using liquefied gas (propane or butane NOT natural gas or town gas) When using LPG please consider that the burner needs cleaning at shorter intervals due to the gas combustion method (annually)


For physical reasons, ignition faults could occur starting from an altitude above sea level of approx. 1000m/3280 ft. (No malfunction!)

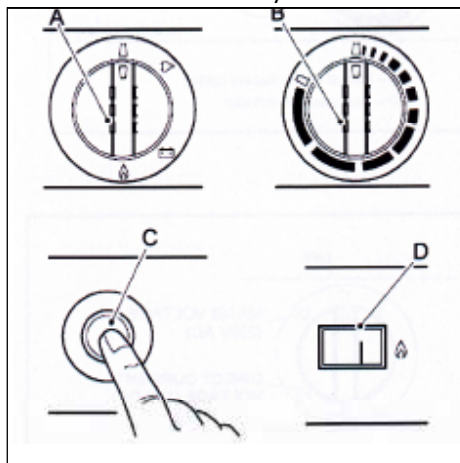
On the initial refrigerator start-up or after a cylinder change, air may be trapped in the gas line. To purge the air from the lines, switch on the refrigerator and any other gas appliances (e.g. stove) for a short time. The gas ignites without delay.

As a basic rule, gas operation is prohibited in petrol stations.

Prior to starting the refrigerator in gas mode: Open the gas cylinder valve. Open the shut-off valve for gas supply to the refrigerator.

Appliances with Battery Igniter.

1. Turn the rotary switch A to the position .
2. Turn the temperature selector B clockwise and push. Keep the controller button depressed.
3. Then press knob C of battery igniter down and keep it depressed. The ignition process is activated automatically.



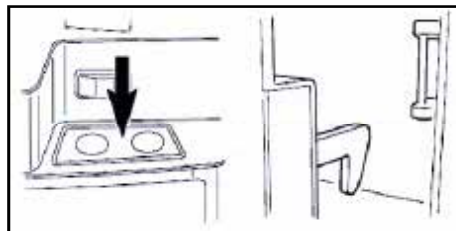
i Once the flame ignites, the pointer of galvanometer D begins moving into the green range. The refrigerator is operational. Keep knob B depressed for approximately 15 seconds and finally release it.

Each refrigerator with manual ignition is equipped with an automatic flame safety valve

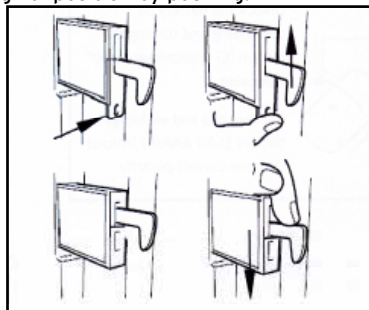
which interrupts the gas supply after approx. 30 seconds when the flame has extinguished.

Door Locking

Open the door by pressing Fixing and releasing the door lock hook when parking the vehicle



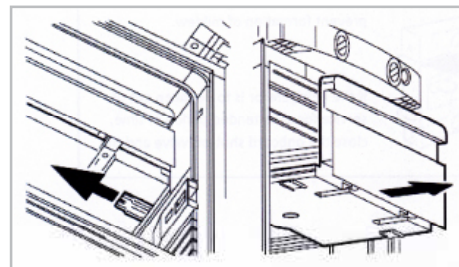
If the vehicle is parked for a longer period of time, the locking hook may be clamped by means of a lockbar. The door may now be opened by just pulling it without need of pressing the locking button. Restore the original position by pushing.



As a basic rule, shut and lock the refrigerator door before commencing your journey.

FITTED EQUIPMENT- Refrigerators

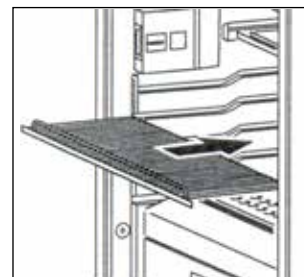
Removable freezer compartment.



- To enlarge the cooling space, just remove the freezer compartment.
- Unlock the freezer compartment on both sides and pull it out.
- Store the freezer safely in order to prevent damage.

Positioning the storage racks

The storage racks may be pulled out by smoothly lifting them and they may then be positioned as desired.



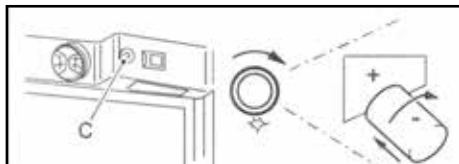
Once the freezer compartment is removed, an additional storage rack

FITTED EQUIPMENT- Refrigerators

may be installed. The storage rack is a piece of extra equipment and may be obtained from Dometic.

Exchange of the igniter's battery

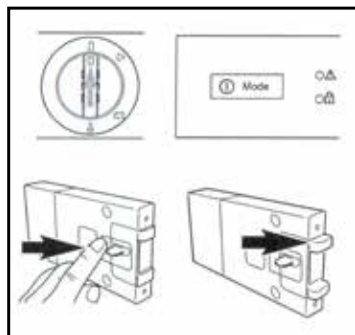
Unlock the battery by depressing and turning the button (c) approximately 90 degrees clockwise.



Remove cap and exchange battery (1.5V AAA/R3/Micro) Observe polarity.

Shutting off the refrigerator

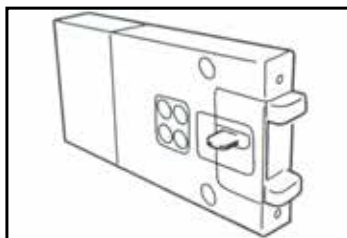
Set energy selector switch A to position 'OFF'. The appliance is switched off.



Release the locking mechanism of the door lock by pushing it and shift it to the front. If the door is shut in this position, a small gap

is nevertheless kept open to prevent formation of mildew. If the refrigerator is to be taken out of service for an extended period of time, close the on-board shut-off valve and the cylinder valve.

Lighting



If the door is open for more than two minutes, the sensor- controlled interior lighting is automatically cut off (except for models with battery ignitor.)

Dometic Refrigerator Model RMD8501

Cleaning

Before starting up the refrigerator, it is recommended to clean inside and repeat this at regular intervals. Using a soft cloth and lukewarm water with a mild detergent. Then wipe out the appliance with clean water and dry thoroughly.



To avoid deterioration of materials:

Do not use soap or hard, abrasive or soda-based cleaning agents.

Do not allow the door seal to come into contact with oil or grease.

Operating modes and use of the refrigerator:

Operation mode and use of the refrigerator



This refrigerator is equipped to operate on three power modes: AC mains power (230V) 12V DC or gas (propane/butane liquid gas)

Select the desired power mode by the MODE button. Appliances with automatic energy selection (AES) are additionally provided with "automatic mode" function. The AES system automatically selects the best energy source for each particular situation.

Maintenance

In compliance with the applicable regulations, please note that the gas unit and the connected ventilation ducts must be checked by authorised technical personnel after first use and after every other year for compliance with the European Standard EN 1949. A test certificate has to be issued. It is the user's responsibility to arrange this test.

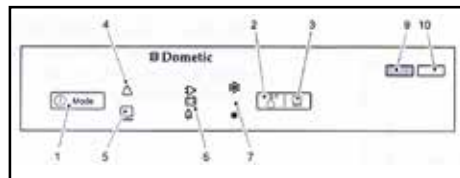
The gas burner must be inspected and cleaned as necessary at least once a year. When using liquid petroleum gas (tank or refill cylinders) the maintenance interval is reduced to half-yearly or quarterly.

Keep the evidence of maintenance work carried out on your refrigerator.

Work on gas and electrical equipment shall be carried out by an authorised customer services department.

We recommend maintenance following an extended shut down of the vehicle. Please contact Dometic Customer Services.

Explanation of operating controls



Manual Energy selection/ automatic ignition (RMD 8xx1) MES:

1. (Power on switch/ Energy selector switch (MODE))
2. Temperature selection
3. Power On switch frame heating
4. Indicator LED failure
5. Indicator LED frame heating
6. Indicator-LED/ operating mode display
7. Temperature level display.
8. NOT APPLICABLE TO MODELS FITTED TO BAILEY UNICORNS
9. External display "failure" (red)
10. External display "in operation" (blue)

Explanations

The refrigerator is equipped to operate on mains power, 12V DC or liquid gas. Select the desired power supply by turning the energy selector switch (1)

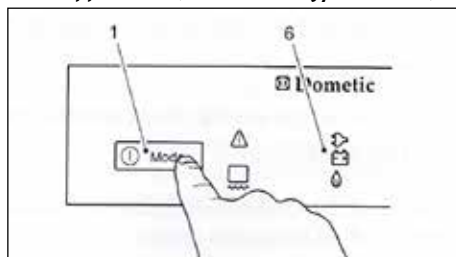
The energy selector switch (1) has four settings: • Off, • Mains voltage (230vAC), • Direct-current voltage (battery, 12V DC), • Gas (liquid gas propane/butane)

Switch the refrigerator ON or OFF by pressing button (1) for 3 seconds. Button (1) allows you to either initiate the requested energy supply or activate dimming of the LED brightness. By pushing once, the indicators illuminate for 10 seconds.

Button (3) allows you to switch on the frame heating in order to avoid a rising of condensation water due to high humidity. During the frame heating operation the indicator LED (5) is illuminating.

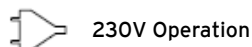
Electrical Operation

MES Appliances (manual energy selection)



To start the refrigerator, press button (1) for 3 seconds.

The LED (6) of the previously selected operating mode illuminates:



230V Operation



12V operation

FITTED EQUIPMENT- Refrigerators

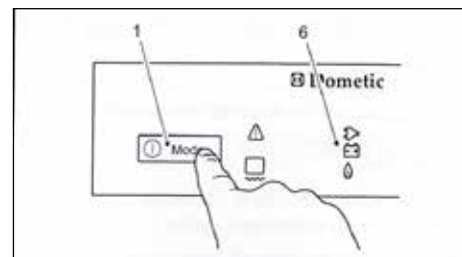


Gas operation

Changing the operating mode by pressing button (1) again. The appropriate indicator LED will illuminate.

MES- appliances

1. Press button (1) several times until the indicator LED (6) illuminates.



2. The ignition process is activated automatically by means of an automatic igniter.



The ignition system will make 2 ignition attempts with 25 seconds interval when the burner fails to light. If repeated attempts fail to start the operation, a fault is indicated (please refer to failure indication).

Setting of the cooling compartment temperature

Select the desired cooling compartment temperature by pressing button (2)

FITTED EQUIPMENT- Refrigerators

The LED display (7) of the selected temperature setting is illuminated.

The scale starts with MIN position at the bottom LED position (small crystal = highest temperature) and climbs up to MAX position at the upper LED position (largest crystal = lowest temperature). Note: The temperature levels do not relate to absolute temperature values.

The cooling unit's performance is influenced by ambient temperatures. Please select the medium setting for ambient temperatures between +15° and +25°. The unit operates within its optimum performance range. Dometic refrigerators work according to the absorption principle. For physical reasons, an absorption system responds slowly to changes made by the thermostat controller, by loss of cooling energy through opening the door or during storing food. The devices meet the cooling performance requirements of the Climatic Class SN acc. To EN/ISO 7371 in the temperature range of +10°C to 32° ambient temperature.

For temperatures below +10°C, winter covers should be installed. For ambient temperatures exceeding +32°C for a longer period of time, it is recommended installing Dometic additional fan (item no. 241 2985 00).

Additional features (MES)

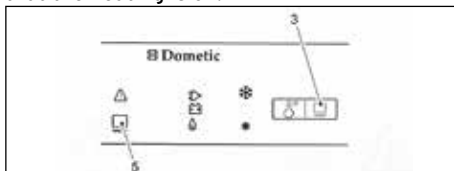
The brightness of the display reduces after a few seconds if no other buttons are pressed. If the door is open, the interior lighting is switched off automatically after 2 minutes.

Failures are indicated by flashing of the failure indicator LED.

Should the door be kept open for too long (more than 2 minutes), the blue external LED starts flashing until the door is closed.

Frame Heating

All models are equipped with a frame heating (12VDC/3.5W) around the freezer compartment. During summer months with high temperatures and humidity the metal frame may have water droplets forming. To evaporate these droplets switch on the frame heating with switch (3). The LED (5) indicates that the heating is on.

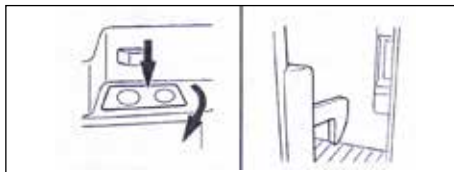


The frame heating is in operation with a presetting of 2 hours and switched off afterwards automatically. The frame heating can be deactivated every time by pressing the button (3).

Door Locking

Manual door lock

Open the door by pressing the locking button

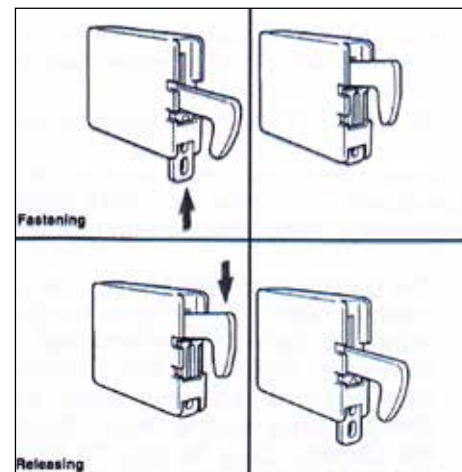


and pull open.

Shut the door again by pushing it to close. The snapping into the lock can be heard. While the vehicle is parked, the locking hook may be fixed to facilitate opening of the door.

Fastening and releasing the door lock hook when parking the vehicle.

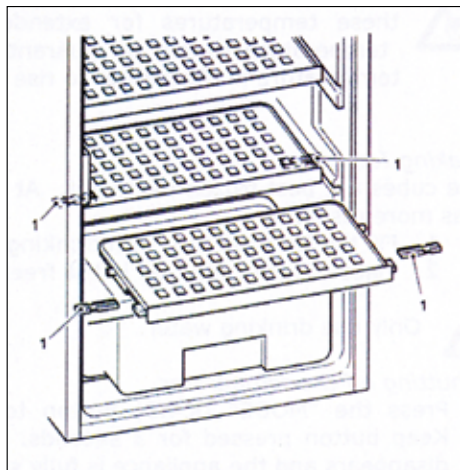
If the vehicle is parked for a longer time, the locking hook may be clamped by means of a lock bar. The door may now be opened by just pulling it without need of pressing the locking button.



As a basic rule, shut and lock the refrigerator before you start your journey!

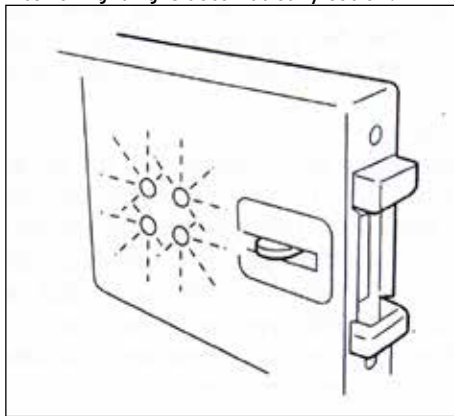
Positioning and storage racks

The storage racks may be pulled out by loosening the two locking devices (1) underneath. For loosening pull the slider to the middle, for fastening pull them sideways.



Lighting

If the door is open for more than 2 minutes, the interior lighting is automatically cut off.



Please contact the authorised Dometic Service of a failure occurs

Storing food and making ice cubes

- Storing food in the cooling compartment
- Switch the refrigerator on approx. 12 hours before filling it.
- Always store pre-cooled foods in the refrigerator. Make sure that the food is well cooled when it is bought and also when transporting it. Use insulated cooling bags.
- Open the refrigerator door only for a short period of time when moving products.
- Products must be packed- best of all in closed containers, wrapped in aluminium foil or similar- and stored separately from each other, in order to prevent drying out or odours.

FITTED EQUIPMENT- Refrigerators

- Allow foods that have been warmed up to cool down before storing.
- Avoid storing products in the refrigerator that could emit volatile flammable gases.
- Do not expose the refrigerator to direct sunlight. Please bear in mind that the temperature inside a closed vehicle increases sharply if exposed to sunlight and that this can reduce the efficiency of the refrigerator.
- Ensure that air circulation of the cooling unit is not obstructed. Keep the ventilation grilles free from obstructions.

Storing food in the freezer compartment

- Do not keep carbonated drinks in the freezer.
- The freezer compartment is suitable for making ice cubes and for short-term storage of frozen food. It is not suitable as a means of freezing foods.



When ambient temperatures are lower than +10°C and the refrigerator is exposed to these temperatures for extended periods of time, an even regulation of freezer temperature cannot be guaranteed for system-related reasons. This can cause the temperature in the freezer to rise and the stored goods to melt.

Making Ice cubes

Ice cubes are best frozen overnight. At night, the refrigerator has less work to do and the unit has more reserves.

Fill the ice cube tray with drinking water.

Place the ice cube tray in the freezer

FITTED EQUIPMENT- Refrigerators

compartment.



Only use drinking water.

Shutting off the refrigerator

- Press the "MODE" (s.4.3) button to switch off. Keep button pressed for 3 seconds. The display disappears and the appliance is fully switched off.
- Release the locking mechanism of the door lock by pushing it and shift it to the front. If the door is shut in this position, a small gap is nevertheless kept open to prevent formation of mildew.
- If the refrigerator is to be taken out of service for an extended period of time, close the on-board shut-off valve and the cylinder valve.

Defrosting

- As time goes by, frost builds up on the fins inside the refrigerator. A layer of frost thicker on one side may occur and does not represent a malfunction. When this layer of frost is about 3mm thick, the refrigerator should be defrosted.
- Switch off the regulator, as described in section "Shutting off the refrigerator"
- Remove all food and the ice cube tray
- Leave the refrigerator door open to allow air to enter and prevent formation of mildew.
- After defrosting (freezer compartment and fins free of frost), wipe both cooling compartments with a cloth.



Water thawing in the main compartment of the refrigerator runs into an appropriate container at the back of the refrigerator. From there the water evaporates.



The layer of ice must never be removed forcibly, nor may defrosting be accelerated using a heat source!

Winter operation

In winter, check that the ventilation grilles and the exhaust duct system (1) have not been blocked by snow, leaves, etc.

Information on failure display and troubleshooting.

If a malfunction occurs, the indicator LED "Failure" (1) flashes and LED (2) simultaneously. If the failure is not resolved, it repeats after 1 hour.

Status messages on the display



LED is flashing

230V mode: "230V" is not available or voltage is too low



LED is flashing

12V mode: "12V" is not available or voltage too low.



LED is flashing.

Gas/Auto mode: Flame not ignited.

All temperature setting LEDs are flashing
Temperature sensor defective, refrigerator works on mid temperature setting.



LED + All temperature setting LEDs are flashing

230V- Heating element defective.



LED + all temperature setting LEDs are flashing

12V- Heating element defective.

Troubleshooting

Before notifying the authorised Service Centre, please check whether:

The instructions in the section "Operating the refrigerator" have been followed.

The refrigerator is level.

It is possible to operate the refrigerator with any available power source.

Failure: The refrigerator does not cool sufficiently.

Possible cause

Action you can take

q) Inadequate ventilation to the unit.

a) Check that the ventilation grilles are not covered.

q) Thermostat setting is too low.

a) Set Thermostat to a higher level.

q) The condenser is heavily frosted.

a) Check that the refrigerator door closes properly.

q) Too much warm food has been stored

a) Allow warm food to cool down before storage.

q) The appliance has been running for only inside within short period of time.

a) Check whether the cooling compartment works after 4 - 5 hours.

q) Ambient temperatures too high.

a) Regularly remove ventilation grilles.

Failure: The refrigerator does not cool in gas operation mode.

Possible cause

Action you can take

q) Gas cylinder empty.

a) Change gas cylinder.

q) Is the supply shut-off device open?

a) Open the shut-off device.

q) Air in the gas pipe?

a) Switch off the appliance and start again.

Repeat this procedure 3-4 times, if necessary.

Failure: The refrigerator does not cool in 12V operation.

Possible cause

Action you can take

q) On-board fuse defective.

a) Fit new fuse.

q) On-board battery discharged.

a) Check battery, charge it.

q) Engine not running.

a) Start engine.

q) Heating element defective (please also refer to failure indication).

a) Please inform the Dometic Customer Services.

FITTED EQUIPMENT- Refrigerators

Failure: The refrigerator does not cool in 230V operation.

Possible cause

Action you can take

q) On-board fuse defective.

a) Fit new fuse.

q) No connection to supply voltage.

a) Establish power connection.

q) AES: gas operation despite connection to the supply voltage.

a) Appliance switches to gas operation due to insufficient supply voltage (automatically switches back to 230V operation).

q) Heating element defective (please also refer to failure indication)

a) Please inform Dometic Customer Services.

FITTED EQUIPMENT- Refrigerators

Maintenance

Please visit:

www.dometicapproved.co.uk

or telephone:

+44 (0) 844 6260130

to locate your local service centre. Installation may only be carried out by authorised personnel. We recommend contacting your Dometic Service Centre.

EN 1949 stipulates that the appliance's gas equipment and its associated fume system must be inspected after installation and a certificate issued.

When using the fridge for extended periods on gas operation Dometic recommend a seasonal service is carried out by authorised personnel.

It is the user's responsibility to arrange for inspections after purchase.

It is recommended that the gas burner be inspected and cleaned as necessary at least once a year.

We also recommend maintenance following an extended shutdown of the vehicle.

Introduction

The Thetford Cassette Toilet is a high quality product. The toilet forms an integral part of your caravan bathroom, thanks to its functional design which combines modern styling and ease of use.

The C-260 Cassette Toilet is manufactured from high quality synthetic materials which makes it a durable, user and maintenance friendly toilet.

The toilet is made up of two parts: a permanently fixed part and a Waste Holding Tank that is accessible from the outside. The removable Waste Holding Tank is located under the toilet bowl and can be removed via a door on the outside of the Caravan. The Thetford Cassette Toilet is the solution to the sanitary problem in your caravan.

The operating instructions cover Thetford Cassette Toilet C262 CWE



Parts

1. Cover
2. Seat
3. Swivelling toilet bowl
4. Blade handle to open and close blade
5. Control panel
- 5b. Waste holding tank level indicator
6. Pull handle
7. Pour out spout
8. Cap with measuring cup
9. Automatic pressure release vent
10. Vent button
11. Sliding cover
12. Blade opener
13. Waste holding tank mechanism
14. Wheel
15. Service door
16. Water fill door

17. Console with flush water tank
18. Filter for electric ventilator
19. Location waste pump- out system

Preparing for use (standard)

- Open the access door on the outside of your Caravan.
- Remove the Waste Holding Tank by pulling the safety catch (which holds the tank in place) upwards.
- Pull the Waste Holding Tank outward to the stop. Tip it slightly and take the tank fully out.
- Place the tank upright and turn the rotating emptying spout upwards. The emptying spout ensures that the tank can be easily and hygienically emptied.
- Remove the cap, with the measuring cup inside, from the emptying spout and pour the correct dosage of Thetford toilet fluid (see product label) into the holding tank. This avoids unpleasant smells and keeps the inside of the tank clean. Next add approximately 2 litres of water - enough to ensure that the bottom of the Waste Holding Tank is covered. Screw the cap back onto the emptying spout and turn back to its original position. The Emptying Spout Measuring Cap is supplied inside the toilet. Never add toilet fluid directly via the blade or the toilet bowl as this could damage the lip seal of the Waste Holding Tank. Always pour the fluids via the emptying spout. The lip seal is the water tight seal around the top of the tank.
- Slide the Waste Holding Tank back into its original position via the access door. Make sure that it is secured with the safety catch.

Close the access door and lock it. Your Thetford toilet is now ready to use.

- Never use force if you cannot get the tank back into place easily. This may cause serious damage. If blockage occurs, always check that the blade handle is in the correct position.
- For toilets with own Flush-Water Tank: Open the water filling door and fill the flush-water tank with the correct dosage of Aqua Rinse. This Thetford toilet fluid keeps the flush water fresh and improves the flushing. Next, fill up the flush-water tank with clean water (approximately 8 litres) using a watering can or hose. Your toilet is now ready to use.

Using the toilet (standard)

- Turn the bowl to the desired position with the lid closed and using both hands.
- To activate the control panel, press the flush-button once. The control panel display will stay activated for approximately 5 minutes. Run some water into the bowl by pressing the flush button again briefly.
- The toilet may be used with the blade open or closed. To open the blade, slide the blade handle under the toilet bowl sideways. After use, open the blade (if still closed) and flush the toilet by pressing the flush button for several seconds (if necessary re-activate the control panel). Close the blade after use. If your toilet has its own flush-water tank, please make sure that you do not travel with a flush-water tank that is too full. Do not travel with water in the toilet bowl. Failure to adhere to this notice may result in water damage to your motor home.

Emptying

- The Waste Holding Tank has a capacity of 18 litres and required emptying when the red light (LED) on the toilet control display lights up. When the Waste Holding Tank only has capacity for two more litres which is no more than two to three further uses.
- Place the Waste Holding Tank in an upright position (Pull-Out Handle at the top, Wheels at the bottom). Slide the handle sideways - to the front of the tank - until it snaps out of its locked position. Pull the handle up and wheel the Waste Holding Tank to an authorised waste disposal point. Push the handle back into its locked position. Turn the emptying spout upwards and remove the cap from the spout. Hold the Waste holding Tank in such a way that during emptying you can operate the vent plunger with your thumb. To empty the tank without splashing, depress the vent plunger while emptying the tank. After emptying, rinse the tank and blade thoroughly with water.
- Do not vigorously shake the tank or use high pressure water cleaners. This may cause damage to the tank's interior.
- The vent plunger should only be depressed once the emptying spout is pointing downwards. Prepare the toilet for re-use if required. Slide the Waste Holding Tank into the toilet and close the access door.
- Emptying with Optional Features
- Waste Holding Tank Multi-Level Indicator: The lower lamp indicates that the Waste Holding Tank is almost empty; the middle lamp indicates that it is more than half full; when the upper lamp lights up, the tank needs emptying as it can only take 2 - 3

further uses.

- The Waste Holding Tank Level Indicator will flash when the holding tank is not present. In this case the toilet will not flush.

Cleaning and Maintenance

- The toilet should be cleaned and maintained regularly, depending on the amount of use. To clean Thetford toilets, we advise using water and Thetford Bathroom Cleaner. Never use bleach, vinegar or other powerful household cleaners that contain these substances. These may cause permanent damage to the seals and other toilet components.

Caravan Equipment

Toilet Bowl

- Squirt Thetford Bathroom Cleaner into the toilet bowl.
- Flush the toilet bowl with water and wipe down the rest of the toilet with a damp cloth.
- Clean seat and lid. The seat and lid can easily be removed: Lift the seat and lid assembly and pull the round pins (inside the assembly) outwards from the pin holes. After cleaning, replace the seat and lid by positioning the round pins in front of the pin holes and push the lid and seat downwards.
- To keep your flush water fresh and to prevent deposits forming in your toilet bowl, add a correct dosage of Aqua Rinse in your flush water tank.
- Tip! For a really shining toilet, dry with a soft dry cloth after cleaning.

Waste Holding Tank

To keep your Waste Holding Tank fresh and clean, Thetford has developed a number of different toilet fluids. Thetford toilet fluids suppress smells, reduce formation of gas, promote breakdown of toilet waste and increase the life span of a mobile toilet. We advise a thorough cleaning of the Waste Holding Tank once each season.

Next to using the Thetford's Cassette Tank Cleaner, which is the powerful cleaning agent for the periodical cleaning of the waste Holding Tank of your toilet we suggest the following.

- Remove the removable mechanism from the Waste Holding Tank by turning it anti-clockwise and rinse it under a tap.
- Remove the cover plate from the Automatic Pressure Release Vent by prising it up using a small screwdriver. Use one hand to push the Automatic Pressure Release Vent open while holding the float of the Automatic Pressure Release Vent on the inside of the tank with the other hand. Push the float upwards, turn it 180 degrees and remove it from below. Remove the rubber seal underneath the float. Rinse the float and rubber seal under a tap. Replace the rubber seal and float for the Automatic Pressure Release Vent using the same method in reverse. The rubber seals in the toilet (the lip seal, the mechanism seal, the automatic pressure release vent seal and the cap seal) should be regularly cleaned with water and treated with Thetford High Grade Seal Lubricant. This will ensure that the seals remain flexible and in good condition. If the toilet is not to be used for any length of

time, it is important to treat the seals with Thetford High Grade Seal Lubricant after cleaning.

Never use Vaseline or any vegetable oil except olive oil. These may cause leakage or malfunction. The lip seal is a part of the toilet that is subject to wear. Depending upon the extent and manner of use, the seals will become less effective and will need replacing periodically.

Winter operation

You can use your Thetford Cassette Toilet as normal in cold weather as long as the toilet is situated in a heated location. If there is a risk of freezing we advise that the toilet is drained by following the instructions under 'Storage'. For environmental reasons the use of antifreeze, such as that used in car radiators, is not recommended.

FITTED EQUIPMENT-THE DROP DOWN BED

Some models in the Bailey Approach Range are fitted with Electronic Drop Down Beds.



These beds are designed and tested to support up to and not exceeding 200Kg.

Due to the mechanism it is important that the following are adhered to:

Do not remain on the bed whilst the lifting mechanism is in use

Do not allow others or children to remain on the bed whilst the lifting mechanism is in use.

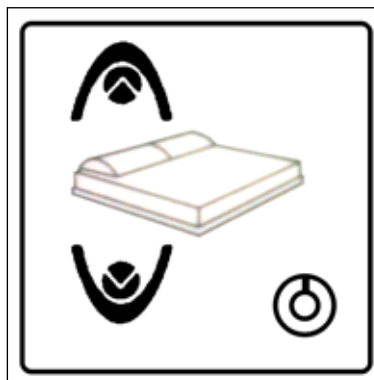
Do not allow children to play with the lifting mechanism.

Ensure that the running track of the lifting mechanism is kept clear.

When lifting or lowering the bed remove all bedding- except for the fitted sheet.

Before lifting the bed raise the mattress and store the fall out nets in the gap by the Froli springs.

The bed is operated from a small aluminium panel with security key and two buttons, one to move the plane of the bed upwards, the other downwards.



OPERATION

Insert the key into the lock and turn clockwise by 90°

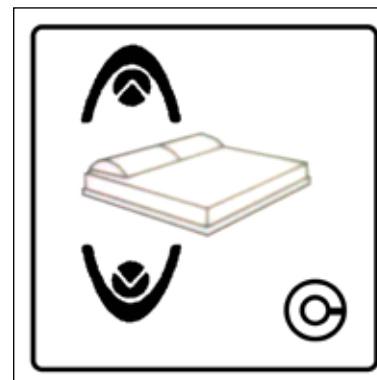
Press the top button to bring up the bed. The bed moves as long as the button is pressed to lift.

Press the bottom button to lower the bed. The bed moves downward as long as the user holds down the button.

The lifting-bed system is equipped with two limit switches for protection. If for example the user depresses and holds the down button for a longer time than that required for the bed to travel its full drop then, a protection device takes over and disables the movement so as not to exit the bed from the guides and also to protect the motor.

This protection is replicated for the upward movement.

Once place the bed reaches the desired position, turn the key to the OFF position, turning it to the left by 90°.



PROTECTION

There are various types of protections.

- * The key for isolation of operation
- * 2 limit switches, one high and the other low
- * Mechanical Movement

The bed-lifting mechanism should only be operated by adults.

EMERGENCIES

Unlocking procedure in case of insufficient power.

The electric motor is fitted on the end with a hexagonal nut, which allows manual movement of the plane of the bed in case of insufficient voltage of the vehicle leisure battery. The bed mechanism can be operated manually, if power is disabled, simply by turning the hexagonal nut clockwise or counter clockwise, depending on the desired direction of movement.

Is this the best **cost-saving** energy device ever?

- ✓ Helps cut water & energy bills
- ✓ Gives you a luxurious, refreshing spa-like shower experience
- ✓ No plumbing required! Simply replaces your existing showerhead
- ✓ Lowers your carbon footprint
- ✓ Money back guarantee of satisfaction



"We now get an average of three showers using a 40 litre water tank"

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Start enjoying your new powerful shower today and begin to save water, energy and money!

Call **0208 211 3666** or visit **ecocamel.co.uk**

FITTED EQUIPMENT-BATHROOM ACCESSORIES

Eco Camel Shower Head

Your caravan is fitted with an Ecocamel shower head

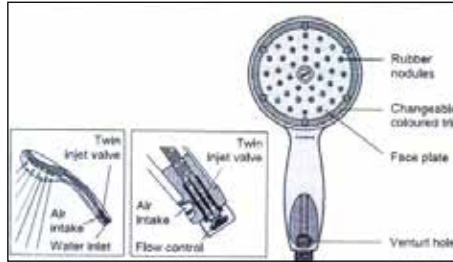
It saves water energy and money.

It has a wipe clean head to prevent the build up of lime scale

Uses a maximum of 8 litres a minute

After showering when the shower is turned off, your ecocamel shower head simply drains off any excess water through the air intake

Clean your ecocamel shower head with a damp cloth. Do not use any abrasive or chemical cleaners. Should any scale build up on your shower heads spray plate you can de-scale it by rubbing the nozzles with your thumb.



Bathroom Shower Tap

Your shower tap has a high quality finish and should be treated with care to preserve the visible surfaces.

All surface finishes will wear if not cleaned correctly, the only safe way to clean your mixer is to wipe with a soft damp cloth.

Stains can be removed using washing up liquid

All bathing powders and liquids will damage the surface of your fitting, even the non scratch cleaners.

Mirrors

Cleaning

- It is best to clean mirrors with a cleaner that does not contain ammonia. If you are not sure of the ingredients, spray a clean lint free cloth with the cleaner so as not to get the liquid near to the edge of the mirror which is where ammonia would cause the most harm.
- Use a soft, dust free cloth
- Warm Water- try bottled water if your tap is mineral rich
- For stubborn dirt use an oil free steel wool pad- carefully and precisely
- Spray cleaners on your cloth, not directly onto the mirror
- Keep the mirror frame dry
- Never use a razor blade on a mirror, even if the mirror has paint specks on it. Always use hot water first.
- If you find black spots on your mirror you may have damaged the silvering behind the mirror's glass. If this is the case you may be able to cover the spots from the front.
- Moisture along a mirror's edge can seep in and harm the reflective backing.
- Keep in mind that long-term exposure to sunlight may damage some mirrors.



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FITTED EQUIPMENT-WINDOW BLINDS

Remis Remibase Plus Window Blinds.

Please note the blinds should not be in the closed position when the vehicle is travelling or when in storage for extended periods.

The sunscreen is housed at the bottom and the flyscreen at the top of the blind. To open either hold the cross bar and pull up or down. Both blinds can be fully extended to totally cover the window or can meet at any position to give sun shading/privacy and protection from insects entering the vehicle.

The blinds are pre set to the correct tension. If re tensioning is required please follow these steps:

The blind needs to be taken down from the wall by unscrewing the 4 corner screws.

Lay the blind face down on a table with the cross bars of both blinds meeting in the middle. The black cords re-tension the fly screen and the white cords re-tension the sun screen.

The cords are fixed at either side with a screw. Loosen this screw and gently pull the cord 5mm tighter and repeat on the other side ensuring the crossbar is level.

Test the tension. This process can be repeated if necessary.

The blinds over the kitchen sink and in the bathroom are of a different construction and can be re-tensioned while fixed to the wall. On the side of the cassettes are two plastic screw

heads. Using a screw driver turn these gently clockwise until the correct tension is reached. Test the tension after each turn.

Cleaning:

The actual plastic profiles can be cleaned with a non abrasive cleaner and damp soft cloth. The blinds should only be dusted lightly with a soft cloth.

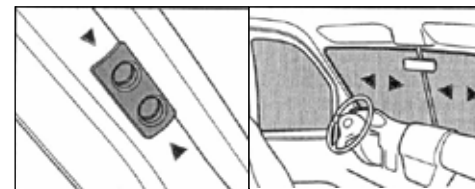
The blinds over the kitchen sink and in the bathroom have a special sun screen that can be cleaned with a non abrasive cleaner and damp cloth. The fly screens should only be dusted with a soft cloth.

Remis Concertina Cab blinds

Remis concertina blinds are fitted to the front windscreen and side windows in the cab of your motorhome. Bailey has chosen to fit these blinds to ensure that when you are sleeping in your vehicle you are not disturbed by the outside light.

Due to the nature and angles that these blinds inhabit it's important that they are opened and closed in the correct manner.

Usage of the front system



To release the front blinds, push both buttons in the directions of the arrow. Pull handle from the left and right towards the middle of the windscreen. The handles will lock automatically due to the magnetic catch. To open, pull the handles apart in the direction of the arrows and pull them back to their resting position. Lock the handle in place by pushing it into the frame.

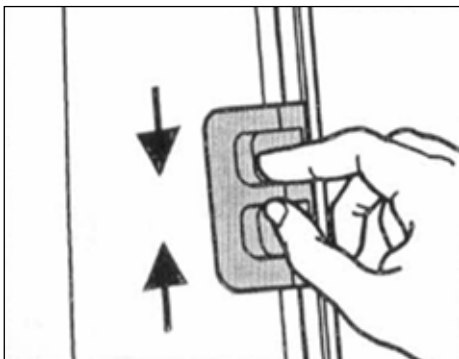


Always ensure that both sides are locked in place prior to commencing travel.

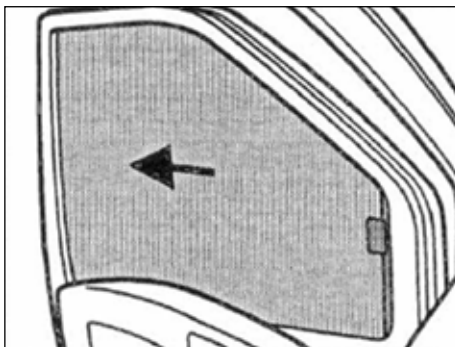


Do not swing your forward visors to the drivers or passenger door as this will damage the blinds.

Usage of the side system



Closing



Release the handle by pushing and pulling slightly from its resting position. Pull the handle to the catch, the magnetic catch will lock automatically.

Opening

Pull handle to catch. Lock handle in place by pushing on the frame



Always ensure that both sides are locked in place prior to commencing travel.



Do not swing your forward visors to the driver or passenger door as this will damage the blinds.

FITTED EQUIPMENT- WINDOW BLINDS

Cleaning of Remis Cab blinds

- Avoid using aggressive cleaning agents (solvents/ abrasives)
- Clean the frame elements of the front and side systems with a damp cloth and mild soap solution.
- Clean the folding material carefully with a soft brush or damp cloth.

GRP PANELS

GRP components need to be washed, waxed and cared for like a car. Chemicals and dirt can collect during storage, and the outer surface called a gel coat can be stained or marked when chemicals combine with rain or dew. Most stains or marks can be removed with mild dish-washing detergent, but more stubborn marks may require a rubbing compound. To help keep your GRP components looking almost like new, it is wise to wash the parts monthly (or more frequently) using mild dish-washing detergent, but avoid using strong alkaline (e.g. tri-sodium phosphate) or acidic cleaners or abrasives. Waxing the components once or twice a year with a good grade paste wax will help to maintain the colour and finish.

Insulation

Your Bailey motorhome is insulated with polystyrene which is a material with high insulation qualities. This is used in the construction of the floor, sides, rear panel and ceiling and contributes greatly to the insulation properties that allow the vehicle to achieve grade 3.

RUNNING LIGHTS

- It is important that all the road lights on your Bailey motorhome are checked before you set out on a journey.
- All lights must be working in the correct manner for the vehicle to be road legal.
- Clean the outside of the lights with a non abrasive or non aggressive cleaning solution.
- Always replace a lamp which is showing any sign of damage.

POLYPLASTIC WINDOWS

To open the windows turn the knobs anti clockwise and open the catches. Swivel the window pane open to the desired position and close knobs clockwise to lock into the open position.

To close, reverse this operation.

All opening windows have two catch positions. The first position is for ventilation whilst the second seals the window from wind and rain.

ROOFLIGHTS

MPK ROOFLIGHT

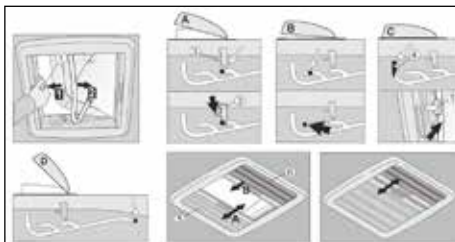
The MPK roof light is situated in the bathroom of your motorhome over the shower compartment.

It is fitted with a fly screen for your comfort. The fly screen is hinged allowing you access to the handles that enable you to raise the rooflight's dome for ventilation

To raise the dome pinch the black parts of the handle against the other half on both sides and push upwards. Both sides can be raised or just one depending on your preference.

Mini and Midi Heki Rooflights

Opening and closing the Dome



- Press the push button (1) and simultaneously open the dome with the bar (2).
- POSITION "A"
- Push the bar (2) to the marked rest position (•).
- Fix the bar in this position by pushing the left and right sliding catches (3) downwards.
- POSITION "B"
- Push the bar (2) to the marked rest position (•) and lead over the left and right locking mechanisms by applying slight pressure.
- POSITION "C"
- Push the bar (2) to the marked rest position (•).
- Applying slight pressure lead the bar (2) over the left and right catch hooks (4) so that the dome is locked and the bar (2) lies on the push button (1).
- POSITION "D"
- Push the bar (2) to the marked rest position (•).

FITTED EQUIPMENT- GENERAL

OPERATING THE BLIND

- Push the blind (5) in the direction of the arrow (A) and the flyscreen (6) in the direction of the arrow (B).

Safety instructions:

- Do not stand on the acrylic glass.
- Close HEKI completely before moving the vehicle.
- Close HEKI when leaving the vehicle.
- Please consult your dealer when any defects or problems occur.
- Remove snow/ice or other dirt from the roof before opening HEKI.
- Do not open in strong winds or heavy rain.

Care instructions:

- Please clean the acrylic panes with the Seitz Acrylic Cleaner.
- Stains and light scratches on the acrylic pane can be removed using the Seitz Acrylic Polish and Seitz special polishing cloth.
- Only use water and mild soap suds to clean the blinds.
- Failure to comply with these instructions makes the guarantee null and void.

FITTED EQUIPMENT-GENERAL

STAINLESS STEEL SINK

Stainless steel sinks need little maintenance other than cleaning immediately after use. Most deposits can be removed by washing with soap or mild detergent and hot water, followed by a clean water rinse and drying with a soft cloth to prevent water spotting.

For more tenacious deposits a non-abrasive multi-purpose cream cleaner such as CIF should be used, followed by a clean water rinse and drying.

Tannin stains can be removed by a solution of washing soda and water applied with a soft cloth/sponge followed by a clean water rinse to remove any residues and drying with a soft cloth.

(When cleaning with anything other than water be careful not to get the solution onto your kitchen worktop.)

Scratching will be most noticeable on highly polished components. These marks are usually only superficial and can be removed with a proprietary stainless steel cleaner/polish. A useful alternative is a car paint restorer, such as 'T-Cut'. If the surface has a directional polished grain always clean along the grain and not across it.

Always avoid bleach and trigger dispense products and never use wire wool or leave wet cloths, pads or containers on the surface as they may form water marks.



To preserve the appearance of your appliance we recommend plastic bowls or mats are not stored in the sink. This is particularly the case when travelling because vehicle movement may cause the plastic bowl to vibrate/rub against the surface and leave marks.

TECNOFORM DOORS AND WORKTOPS

Wipe the doors with a soft, slightly damp cloth (not wet) and then dry them with a dry cloth. Worktops can be wiped with a wet cloth and are more resistant to water than the locker doors.

Gasoline, benzene, thinners, any abrasive products, chemically treated dust cloths and detergents may damage the doors and should not be used.

JVC SPEAKERS

The speakers supplied within the habitation compartment of your motorhome are JVC Stereo speakers and should be cleaned with a soft cloth and the outer surface wiped gently. DO NOT APPLY ANY SOLVENT TO THE SPEAKERS.

CARPET

Cleaning and Caring for Carpet Sets

- When cleaning the interior of your motorhome please remove the carpet from the vehicle.
- Vacuum the carpets to take the dirt out of the pile
- For general cleaning use a dry shampoo, following the product's directions.
- For stains, use a mixture of 1/3 bleach to 2/3 warm water. Immerse a soft cloth in the solution until wet, then wring and squeeze the cloth until damp. Rub the affected area until the stain has gone.
- NEVER USE DRIPPING WATER
 - The proportion of water to bleach must be accurate.
 - Never put the carpet in a washing machine or a tumble dryer.

FITTED EQUIPMENT- GENERAL

TAPS

To clean, wipe with a soft soapy sponge, then rinse and wipe dry. Do not use an abrasive cleaner, scouring pad, powder or wire wool to clean the tap and shower mixer. Do not use any de-scaling agent



If you live in a hard water area, lime scale may build up around the spout of your tap. Clean this off with either lemon juice or vinegar. Do not attempt to remove this with either a knife or any other sharp implement as this will damage the surface.

FITTED EQUIPMENT-GENERAL

UPHOLSTERY

General

The Approach models are designed as 2, 4 and 6 berths offering multiple bed layouts and sleeping arrangements. Sometimes the bed make-up utilises the cab seats: other times the beds are made separately.

Cab Seats

The reclining cab seats have full forward and rearward movement by releasing the catch on the front of the seat and sliding it to the required position. Both front cab seats have a swivel mechanism fitted as standard and have dual armrests for your comfort.

Seating Upholstery

The majority of cushions in your motorhome are fully sprung to supply more comfort to both you and your passengers.

The cushions that are not sprung are made from high quality foam providing support and comfort.

Care should be taken of these springs by not loading weight on one area of a cushion for a prolonged period of time when travelling or when the vehicle is in storage. This could lead to the springs failing and the comfort of the cushion being diminished.

The Bailey DE-LUXE mattress features a deep, fully framed sprung unit of domestic quality construction giving "An at home night's sleep whilst away in your motorhome."

Remove dust on a regular basis with your vacuum's upholstery or drape attachment. Try to avoid brushing fabric covers because that can damage the pile.

- If you spill something on your upholstery, blot up the excess immediately. Avoid detergents which may damage the fabrics protection. Use a sponge or a clean white cloth but do not wash or rub the fabric.
- Try to keep your cushions away from direct sunlight.
- Light affects the colour of fabrics so avoid over-exposure to sunlight.
- Try not to leave newspapers lying on your cushions; ink can stain the covers. It isn't always easy to avoid that from happening, however, proper ventilation can help.
- Try to keep pets off the upholstery and be careful of sharp objects such as belt buckles, toys and watch straps snagging the fabric. If snags do occur, carefully cut off the loose ends with scissors or tuck back in - do not pull them under any circumstances.

Curtains:

It is recommended that the curtains in your motorhome are washed on a delicate cycle at 30°C. This will not damage the clip glides. Shrinkage may be caused should you decide to dry clean your curtains.

Safety

Passengers are reminded that it is a legal requirement to wear the seatbelts provided whilst the vehicle is in motion.

Table

When not required, this table should be securely stored in the table store. When the table is needed, its legs should be folded out and the table placed where required.

The side dinette table and table leg should always be stored whilst travelling in the dedicated storage.

Ensure the folding legs are locked in place before using the table. The table must be stored when the vehicle is in motion.

Care-avan[®]

MOTORHOMES WATERLESS AND MOTORHOMES SHAMPOO

The **only** motorhome waterless
cleaner and shampoo **tested
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NOISE VIBRATION AND HARSHNESS

Noise Vibration and Harshness (NVH)

During the development of the Approach range of motorhomes Bailey determined that a quieter journey adds to your comfort as a traveller. The team developed stringent requirements relating to Noise Vibration and Harshness (noise emissions from your empty vehicle). During the test drives the team identified items that were making noise and where possible designed solutions which are enforced during the build procedure or rectified by the component suppliers.

Bailey has fitted bump stops to all cupboards and drawer front. Should you lose a bump stop or require extra these are readily available through the Bailey Parts website. When fitted they will make your journey a more comfortable one.

High Density acoustic foam has been used in the construction of the vehicle to eliminate the noise.

You may find that closing rooflight blinds during transit also helps to eliminate noise.

Thetford Linear hob,

The glass lid that covers the hob is fitted with bump stops which prevent the glass from rattling on the trivet. These bumps stops may with time and driving on uneven road surfaces move from the ideal position. If you find that your hob rattles on the trivet we would first advise you to move the bump stops to the correct position. Failing this we would advise that you position a tea towel under the glass lid while driving.

Please ensure that you remove the towel before you commence cooking.

Thetford Grill Pan

The Thetford grill pan is loose in the grill box and therefore during transit can move around and makes an irritating noise. To avoid this, Bailey would advise that the grill pan is stored in the pan storage compartment at the bottom of the oven and wrapped in a T Towel.

Polyplastic Windows

The window stays on your motorhome have a tendency to rattle. Should you encounter this we would suggest that you open each window that is rattling and tighten the stay so that the window stays open, then loosen the stay by $\frac{1}{4}$ of a turn. The window stay will still be under tension but you should be able to push it closed easily. Turn the catches to secure the window tight.

This operation must not be undertaken when the vehicle is in motion.

Remis Cab Blinds.

If the cab blinds have been knocked out of their fixing points they will rattle. If you experience this during transit please return your vehicle to your retailer and ask them to refit the blinds.

Care and Maintenance of your Motorhome

Exterior

The exterior of your caravan is very durable and easy to clean owing to its high gloss properties. To maintain a showroom finish, one needs only to wash the caravan and the parts monthly (or more frequently), using Care-avan* Caravan Cleaner but avoid using strong alkaline (e.g. tri-sodium phosphate) or acidic cleaners or abrasives. Waxing the components once or twice a year with a good grade paste wax will help to maintain the colour and finish.

Cleaning / usage information:

- Wash the caravan by hand, using a sponge with plenty of Care-avan* cleaning solutions to avoid scratching.
- * Available through your supplying Bailey Retailer or available to order direct via our Parts Direct website
 - www.bailey-parts.co.uk
- Always rinse away any cleaner from your caravan.
- Dry the vehicle with a chamois or a microfibre cloth
- It is imperative to ensure that the area surrounding the rooflight is completely dried, this will avoid both condensation and damp collecting around the perimeter.
- Where possible position the vehicle nose down for a short period to avoid water pooling and collecting on the roof area.

Do not

- Do not apply a carnauba based wax to the vehicle
- Do not use a mechanical brush washing

system such as a car wash.

- Never pressure wash your vehicle.
- Do not use solvents
- Do not use Acrylic cleaners



Under no circumstances use any abrasive agents, methylated spirit, white spirit or other solvents to the exterior of your caravan

No touch up painting should be carried out prior to consulting with a Bailey Service Centre for approved methods.



All items stored in the gas bottle storage locker must be secured to prevent impact damage to the inside of the body panel when the caravan is being towed.

Do not allow any chemicals, toilet or otherwise, to spill or leak into the gas box floor. Before placing items in the cradle ensure that the tray is clean and free from any debris. Cleaning should only be carried out with warm soapy water.

The use of high pressure water jets to clean your caravan will invalidate your warranty.

Acrylic Windows

The windows fitted to your bailey caravan are manufactured from high quality acrylic using the latest plastic processing methods.

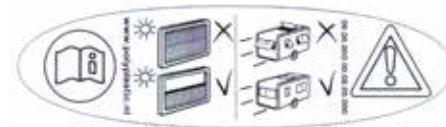
For cleaning, use only generous amounts of water to wash away dust and road grit etc. Then use a soft cloth and warm soapy water and gently remove the remaining dirt. Avoid

GENERAL CARE AND MAINTENANCE

abrasive cleaning materials and detergents. As with all plastic materials, acrylic should not be allowed to come into contact with chemicals such as paint remover, fly spray, acetone, dish washer detergent and car cleaning detergent.



Never polish with a dry cloth
During high sun do not close the window blinds completely and open the windows into the ventilation position. While the caravan is in motion please ensure that the windows are fully closed(this information is also detailed on stickers on the windows)



GENERAL CARE AND MAINTENANCE

Winterisation /Storage

The following applies whenever your motorhome is stored particularly during winter months.

- If you will not be using your vehicle for a while it is probably a good time to arrange for your motorhome to have its annual service at your appointed dealer.
- Do not leave your vehicle near trees or latch type gates due to possible wind damage.
- Keep any grass around the floor or the motorhome short to maintain airflow and stop any possible damp getting into it.
- It is advised that the motorhome is ventilated regularly throughout the winterisation/storage period, opening windows, doors and rooflights where possible.
- All moving parts should be checked for free operation.
- Clean all cooking appliances and the refrigerator before parking up the vehicle.
- Charge up the on board battery every 2 months
- Leave the refrigerator door open. Leave the furniture and locker doors open to allow air to circulate fully.
- Ensure that the entire water system is thoroughly drained.

Winterizing.

Freezing in winter may cause damage to the Whale tap

To avoid this damage, ensure that the system is completely drained.

- Drain the fresh water tank either using the pump or a drain valve
- Turn the pump on and open all taps and the shower mixer (including the drain valve) and allow the pump to purge the water from the system
- Turn off the power isolator switch for the water pump
- Remember to leave all outlets open to avoid any damage.
- Lift the lever up of every tap and leave it in its central position.

Modifications: DIY work

Owners need to be aware that carrying out DIY modifications to your caravan or motorhome may in certain circumstances, invalidate the warranty cover and could also affect the safety and structure of the vehicle.

Condensation

What is Condensation?

Condensation is the change of water from its gaseous form (water droplets) into its liquid form.

Condensation generally occurs in the atmosphere when warm air rises, cools and loses its capacity to hold water vapour. As a result, excess water vapour condenses to form droplets.

Condensation normally occurs in the winter when the motorhome is cold and skylights windows and doors are opened less often this means that moist air cannot escape. It is important to try and provide ventilation so that moist air can escape and to use the heating responsibly.

How you can prevent condensation

Provide ventilation so that warm air can escape

- Good ventilation of kitchens when washing, cooking or drying damp cloths is essential, use the electrical element of the heating system, particularly if the windows show signs of misting up.
- If it is not possible to use the space heater open the skylights or windows slightly but keep the main door closed as much as possible.
- After showering, keep the bathroom door closed and the window or the skylight open long enough for the room to dry
- Preparing your vehicle for cold conditions

Your motorhome is fully winterised and has achieved the BS EN 1646-1:2004+A1:2008 standard Climatic testing to Grade Three standard.

- Make sure that all plumbing pipes, drains, and water supply appliances within the motorhome are properly drained.
- Remove the battery from the motorhome to keep it warmer. If the battery cells were to freeze this could cause damage to the cells and decrease the life of the battery.
- Try to cover as much as possible of the underside of the motorhome to prevent snow from collecting and packing up underneath. This will help to prevent damage to the tyres due to weather conditions.
- Apply a lubricant to any of the locks to avoid them from freezing up. This will allow you access to your motorhome if it is needed.

GENERAL CARE AND MAINTENANCE

Spares and After-Sales

There are numerous parts and accessories available for your motorhome either from your Bailey retailer or through the Bailey Parts website. You are more than welcome to contact the parts website for anything you may require. However if it is a safety or warranty critical item you will need to obtain it from your Bailey Retailer who will fit the component for you.

GENERAL CARE AND MAINTENANCE

Caring for the Environment

After many years in service you may decide that your motorhome has become beyond economic repair and should be disposed of. Please ensure that you comply with the end-of-life vehicle legislation and take it to an authorised treatment facility where it will be properly dealt with to minimise any negative environmental impact. The transaction will be logged by the DVLA, identifying that you are no longer the owner of the vehicle.

GET A CLEARER VIEW

Did you know that your new Bailey motorhome has pre-installed cabling to fit a WAECO reversing camera?

WAECO Reversing Camera System RVS 550W

- For 12 volt and 24 volt operation
- USB connection for charging MP3 players etc.
- Easylink monitor mount, for easy removal
- LED background illumination
- Colour camera available in white or silver
- 5" colour LCD monitor
- 2 year warranty



For further details please
contact your local Bailey dealer

 Dometic

WAECO
by Dometic GROUP

USEFUL CONTACT DETAILS

BAILEY OF BRISTOL

customerservices@baileyofbristol.co.uk

BAILEY SPARES DEPARTMENT

parts@baileyofbristol.co.uk

MICHELIN TYRES PLC

PEUGEOT ASSISTANCE

0845 366 1535

PEUGEOT ASSISTANCE IN EUROPE

0800 294 0294

00800 332 2887 7

0033 825 8789 83

AL-KO

0033 472 1712 05

FIRE ANGEL TECHNICAL SUPPORT LINE

mail@al-ko.co.uk

01926 818 500

TRUMA

technicalsupport@fireangel.co.uk

0800 141 2561

DOMETIC

01283 586 020

THE CARAVANS CLUB

technical@dometic.co.uk

0844 626 0130

THE MOTORCARAVANNERS CLUB

www.caravanclub.co.uk

01342 326 944

THE CAMPING AND CARAVANNING CLUB

www.motorcaravannersclub.eu

01684 311 677

THE NATIONAL CARAVAN COUNCIL

www.campingandcaravanningclub.co.uk

0845 1307 631

THE BAILEY OWNER'S CLUB

www.nationalcaravan.co.uk

01252 318 251

www.baileyownersclub.org





